

THE AMERICAN NATURALIST.

A Popular Illustrated Magazine of Natural History and Travel.

Letters on business connected with THE AMERICAN NATURALIST should be addressed to the Publishers,
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EDITORIAL OFFICE OF THE AMERICAN NATURALIST,

SALEM, MASS., *March 19* 1878

Dear Sir:

I am desirous of getting occasional notes from our botanists for the Naturalist and would like to have an occasional fern-note from you. Could you not kindly agree to send me ^{few} notes? I can only offer as a return a copy of the Naturalist for the current year. If you could send me three or four pages in all, only, for one year, it would be useful.

Yours very truly,
A. S. Packard Jr.

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AND
PROF. E. D. COPE.

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PROVIDENCE, R. I., Jan. 24 1882

Dear Mr. Davenport.

We shall much like your paper on Cheilanthes, and will give you any necessary wood cuts. Please send it soon - if you desire it for April Nat. \$50 for that plate of Dr. Allen (per 1000) is a tremendous price, it seems to me - I don't see how we can afford it - if he is to print it in a book afterwards - but I will see what can be done.

I sent your paper on 'Internal Visual Phenomena' to Prof. Cope - as I didn't know exactly whether it would be sufficiently in our line to be available - I have written him again in regard to it.

I wish I knew Mrs. Leander Stone's address. I do not find it in the Nat. Directory -

Yours very truly,
A. S. Packard, Jr.

1

St. George Utah

Jan. 4th 1876

Geo. E. Davenport,

Dear Sir,

Your letter of the 22nd inst.
Just rec'd, & contents noted. In
reply, would say that the two
Polypodiaceae you want, Parryi
& Tenera, are both collectible
me in considerable numbers.
They were somewhat shrivelled
up, owing to the baleness of
the season. A few hours previous
to the arrival of your letter, all
my collections were forwarded to
Prof. Gray.

In the collection
made by me in Southern
California, is several species
of ferns. You may consult

Prof Gray; whatever arrangements you make with him for specimens of ferns will be satisfactory to me.

I shall leave this place in a day or two, for San Bernardino. Should I find any of the ferns you desire it will give me pleasure to communicate with you ^{regarding} ~~the~~ the same.

Yrs Very Truly
Edward Palmer

Guaymas Mexico Aug 26-1887

George E. Davenport Esq

Dear Sir

Your card of May 17 was forwarded to me at this place.

Many thanks for the Photographs you kindly sent me I shall see them on my return to Washington. I have no ferns of any kind on hand, but be assured you will get a set of all I find in Mexico now. So far my collecting here has been confined to a few cultivated gardens artificially watered as vegetation has been all dried up on the entire country for near three years as only a few slight showers of rain have fallen during that time. A change is now being effected by the two good showers of rain which have fallen during the past ten days

so I may soon expect to go to the mountains after ferns

This is a very trying country to collect in so hot you must sleep out of the house And by day you must have all doors and windows open owing to the great heat so in changing directions the wind often play me lovely tricks to exclude it is so difficult As the rains have fallen so late it is probable my collecting will not be concluded before mid winter or spring, at all events you will hear from me on my return to Washington

Yours truly
Edward Palmer

Washington Mar 2nd 1888

George. E. Davenport
Dear Sir

I returned from Mexico
beginning of February but finding Washing-
ton so cold went to Florida and on
getting back found so many things aw-
akening my attention Among them the
package of pictures you kindly
sent me. I have a small set of last
years (Guadalupe) plants unsold
this I have opened taken out the
ferns and sent to you, if you have
them and ~~do~~ not care for more of the
same send them to Pringle as I
have sent him the set of plants from
which these were taken, My this
years ^{collection} ~~set~~ of plants has come to hand
and will soon sort a set for Watson to
determine. Then they will be put into sets

And in due time you shall have
a specimen of all the ferns they
only amount to six species this
year as the country is so barren and
dry

Could you forward me copies of the
following Photographs and let me know
the price.

- x Crossing the mesa
- x Left on the Desert.
Mesquite forest
- x Scene in the Santa Catalinas
view of the Desert
- x Scene in the Santa Rita's.

Have you any Western or Mexican
views not ~~enumerated~~ enumerated in the card you
sent me

Yours truly
Edward Palmer

GD 1.4

Washington Ap 17. 1885

Geo. E. Davenport Esq

Dear Sir

You are very welcome
to vouch lots of ferns sent you, hope
your eyes wil improve so you can
prosecute your researches among the
Ferns You make the following statement

I am especially interested in the ferns
from Lost Angeles Bay as I find herein Eaton
Notho kalifornia Apparently recognised
by him as *N. cretacea* Lieb and right.

The express words used by Eaton are as
follows. *Notholaëna cretacea* Liebmann
N. kalifornica D. G. Eaton.

In looking over your list of Arizona
and Mexican Photographs printed on
a Card which you sent me with
some pictures last summer, ten in
number Could you send me the fol
owing selected from the list on the Card
Agave Palmeri. *Quercus Emoryi*
Dasylirion Wheeleri. Crossing the mesa

Left on the Desert. Mesquite Forest
Scene in the Santa Catalinas and the
View of the Desert

If you have any other views not
mentioned on that card Arizona, Mex-
ican, or Western please let me know

Last Summer you sent me
Cereus Pringlei *C. giganteus* & *C. Thurberi*.
Yucca Baccata. *Opuntia Whipplei*
O. angustata. *Opuntia fulgens*.
Echinocactus Emoryi. *E. Wislizeni*
Pinus Arizona.

Please address me care of
Dr. George Vasey Department of
Agriculture Washington D. C.

Yours very truly
Edward Palmer

Washington City - D. C.

Feb 7 - 1900

Prof George E. Davenport

My Dear Sir

Some months since in putting the plants of my last Collection (1898) into sets - a package of Ferns was made up for you. it was not the intention for the Ferns to be returned only a list of the names with the numbers attached there to

If the package was received by you would you forward the names as soon as you can the plants was collected about Tltillo and San Luis Potosi Mexico mainly

Yours Sincerely

Edward Palmer

Care of Dr. J. H. Rose

Department of Agriculture

✓

GD 1.6

1. The first part of the report is a general introduction to the subject of the study.

2. The second part of the report is a detailed description of the methods used in the study.

3. The third part of the report is a discussion of the results of the study and their implications.

collected about Guaymas in the
State of Sonora Mexico

226 Fern Shady rocky ledges ~~and~~
Pellaea Seemanni, Hook.
under bushes seen only in three
places in the mountains, September-1887

225 Fern rocky ledges among bushes
Cheilanthes Pringlei, Sav.
in mountains October-1887

266 Among stones somewhat shaded
Notholaena Lemmonii, Eaton
by large bushes in higher mountains
October-1887

none of the above ferns are at all
plentiful in fact it requires a
good deal of hunting to find what
I collected - Domestic animals
especially goats & sheep destroy
so much

Los Angeles Bay Lower California
200 miles North West from Guaymas

November 20 to 30th 1887

552 Fern found growing among and un-
Notholaena crataegifolia, Liebm.
der rocks on not very shady mountain
sides - by no means common.

553 note of 552 apply to this plant also
Cheilanthes macrophylla, Sav.

554 Fern a scarce plant grows
under shelter of large rocks.
Pellaea Wrightiana Hooker.

Prof. D. C. Eaton has
determined my last year's ferns
and I send you numbered specim-
ens of all corresponding to this
list - When you have the
Photographs ready send them
care of St. George Vasey, Depart-
ment of Agriculture, Washington

commence to dry the first
plants in the sets, so send
you the ferns now - hope
by the beginning of May to
start them

Yours truly
Edw. S. Palmer

Care of
Mr. George H. Bass
Department of Agriculture
Washington
D. C.

send you by this mail a package con-
-taining ^{a few} for the most part, very imperfect
specimens, rather with the hope that
you will kindly correct or confirm
my nomenclature, than with the ex-
-pectation that they will be of any value
to you. Of the two forms of *A. Emargin-*
-atum enclosed, the one marked "B"
is most common, a few forms of form "A"
are sometimes found growing with "B"
but in the place where these specimens of
"A" were gathered the whole bed, quite a
large one, ^{was} of the "A" form. Both
are from localities on Sylte Creek,
about half-a-mile apart. There are
three or four small ferns, the names of
which I do not know, which I should
like to forward to you sometime
for identification.

Cheilanthes viscida I do not
know, but suspect it to be a fern I
have heard of as "growing only in
^{White} Sweetwater Cañon", a stream flowing
from the east side of San Bernardino

San Bernardino, Cal
9 June 1879

Dear Sir:-

The copy of your Catalogue,
kindly forwarded, arrived a few
days ago, and affords me great
satisfaction. It seems to me very
valuable. Permit me to note two
typographical errors in names of
places in this vicinity: Pp. 13 & 14, for
Cajon Pass read Cajon; P. 12 for
Agua Caliente read Agua.

I enclose, with thanks, the price in
stamps.

In answering your postal card I
must premise by saying that my
scientific knowledge of ferns is very
limited; the little I know about them
has been gathered by visiting them

in their homes, and is confined to those of this vicinity.

The most widely distributed of our ferns are Polypodium Californicum, Pellaea andromedaefolia, and Gymnogramme triangularis. Of the last I have seen here only the yellow form, but the white occurs in San Diego. These three ferns seem to be able to adapt themselves to the greatest variety of circumstances and may be found almost anywhere in our hills. A little less ~~was~~ commonly seen, but to be found in most places suited to their natures, we have Woodwardia radicans var. Americana, Aspidium munitum, Aspidium v. argutum, Pteris aquilina v. laevigata, and, I think, another variety ^{of P. aquilina}. Our other ferns, in common with the species of other orders of plants, are very

much localized. Hills and cañons with abundant in species which ^{adjoining} ~~in~~ ~~there~~ of like exposure, geological conditions, altitude &c., are rare or absent. A little hill, Silver Mt, which a man can go all over in four hours, affords two species which I have not seen elsewhere; Asplenium Hookeri (?) and another, the name of which I do not know, perhaps a Cheilanthes. Elsewhere we have A. Swartzii, ~~and~~ Pellaea Pringlei, and another sp. of Pellaea, perhaps Brightiana. In the cañon of Little Creek Cheilanthes Fendleri, Cystopteris fragilis, and a ~~variety~~ of Adiantum, with a beautiful palmated form borne on a stem 12-18 in. high, are abundant, but very rare elsewhere. Besides these we have Adiantum marginatum (Chelidonium).

I regret that I have no good duplicates by me, but I have ventured to

Wt, and so ~~is~~ agreeing with the
locality given in your catalogue.
I intend to visit it, perhaps this
summer

It will afford me pleasure
to collect and forward to you
specimens of such of our ferns
as you may desire. It is rather
late now to get good specimens
of the "dry" kinds, as most of them
get well shrivelled in the summer,
but by next spring I could procure
you good specimens of most sorts -

Should be pleased to exchange
with you, especially if you have to
spare any of the "drought-resisting"
species of the South West, as it would
not surprise me to meet with
some of them here. It is not often
that one explores a new canon in
this country without finding
some novelty of the floral
kingdom to reward him - We
have a few scattering ~~some~~ specimens

of several Arizona and New Mexico
plants, e.g. the Mesquite tree, which
is now rare and small -

Respectfully Yours

Samuel B. Parish.

P.O. Box 444-

San Bernardino, Cal.
27 Oct. 1879-

My dear Sir:-

Your favor of the 6th reached me some days ago, but I have not before had time to thank you for it until today. I am somewhat

mixed in my Aspidium - rigidum, and munitum, and so in order to make sure whether it was inadvertance or ignorance in marking my other ~~saraplex~~ specimens I send you a frond of Aspid. munitum

I am sorry my fern No. 2, which you think perhaps Aspid. munitum var. imbricans was so imperfect. It and the Polypodium were procured on a horse back ride through the mountains, & with nothing but a newspaper

to wrap them in. I got all
there were ^{a few only} in that spot of both,
but did not make a search
in the neighborhood. It is 75
miles in the mountains. I may
perhaps go there next summer,
and with this make a good
search for it. I brought home
some roots, which I planted
with a lot of other ferns; the
Aspidium has not yet shown
itself. I send you all the
dry specimens I have remaining.
My dwarf *Polyp. Californicum* (?) is
growing & I send you some
living specimens, & for a com-
parison some of the common
form. The dwarf one appears
to have a considerable difference
in its habit of growth: the old
forms, which were somewhat

wilted when the roots were planted,
regaining, ~~there~~ to a certain extent,
their vitality, while ~~the~~ with
the common form they usually
under such circumstances die -
I suspect it of being perennial -

I will try to procure you
some more of our *Pellaea Wrightiana*?
The only locality I know is quite
distant in the mountains. Since
sending to you I am told by a
friend that he had sent some
to Prof. Eaton, who made the
same request that you have,
viz, for more & rooted specimens.
They were sent, but have not
yet been heard from -

I send you some sections
of our common form of *Pteris*.
I am afraid my "other form"
is simply a lighter one
produced by a shaded sit-

evolution, as I have in vain tried
to find a printed form -
I visited the other day the
Library of Northern California and
found a man had holding up
then white cloud just and
waiting for a rain. Then from,
although so dry that they could
at the back, began their way at
the first thoroughly wetting. They grow
on the southern exposure of a cliff
of dark limestone, but only exposed
to the fierce glare of the sun
and without a drop of moisture
from May till November. Is it not
absolutely dry and hot?
Thanks for your kind offers
to exchange, but I write just to
and you something to exchange.
for. Do you care for being
observed of any of our form?
Very truly yours, J. B. Clark

San Bernardino, Cal. 18 Feb '88

Dear Mr Brewster,

You will receive with this a package of specimens of Ferns. The Chilanthus viscidus, especially, are not as good as I could wish they were. They were gathered too early; about April would be the best time, now the young growth is just begining to put forth, and the only fronds that can be collected are old ones, that have been all withered and curled up last summer, but have been freshened up by the winter rains. They are generally imperfect and very tender. It is a very troublesome fern to press, its viscosity causes it to adhere to the papers, rendering it impossible

to straighten a disarranged frond,
and difficult to detach one, even
when quite dry. I hope, how-
ever, that they may be of some
use to you, as I shall not be
likely to have a chance to
send you any more this year.

They are very scarce ~~here~~ so
far as I observed on the Whitewater,
and in neighbouring cañons, when
I had hoped I might find them,
they are not to be seen. They
grow in sheltered crevices of rock,
in narrow and shady ravines, where
the sun cannot strike them.

The rock is granitic. Whitewater is
a small stream, rising on the East
side of San Bernardino Mts., and running
through bare hills to the Colorado
desert, where it sinks, a mile or
so from its mouth. Ch. viscidus
is found near the mouth, in the
cañons of the West side.

On all the hills on both sides

2

favor. It grows here, but I
cannot seem to find it. It
always grows Ad. Cap. Ven. I
live in hopes of the 2d Vol
of the Botany of California
this spring, when I shall have
something to refer to on filices,
as well as other inedita
orders that perplex me.

Very truly yours,

Saml B. Parish.

P.S. I have not forgotten the
roots of Ch. Fendleri. They will
come in time.

of the desert is that ~~neighborhood~~ region there is plenty of Notholaena Ferryi and N. candida, the former likes to grow under the edge of a boulder, that is bedded in the earth, but the latter prefers a seam in the rock, where it can get the full heat of the sun. Besides these the only ferns I saw in that region were Gymnocarpium triangulare, the silver variety only, while here at home we have only the gold—Pellaea ornithopus, both rare, and plenty of Cheilanthes Fendleri (?), especially a ^{few miles} ~~little~~ back in the hills. The desert itself did not even have a Pellaea, though one might expect it there.

You may form some idea of the winter climate of the region from the fact that we collected (Jan 10-15) nearly 50 species of plants in flower, including such

as *Yucca baccata*, *Abromia umbellata* &c. As for its summer climate an oven affords the nearest earthly comparison.

I can get you this spring some more Ch. Cooperae, & Noth. candida, if you want them, or any other of our ferns. If you put any of them in the Herb. they should be accredited to "Parish Bros.", as my brother, Mr. W. P. Parish, and myself do all our botanical work together.

You have often kindly offered to send me some specimens, and in order that I may avail myself of your goodness, I enclose a check list on which I have marked out what I ~~now~~ have, ^{and} ~~so that~~ I would be glad to get any of the others. If you could send me a specimen of Ad. Emarginatum, although a poor one, it would be a great

San Bernardino Cal
19 Apr 1880
Dear Mr. Overcup!

I have just come
back from the desert,
and you will perhaps be
glad to learn that I
discovered a new station
for *Ch. visciosa*. It is
at Agua Caliente, across
the desert and about
14 miles from the original
find. It is very scanty,
for I only found 4 specimens
in half a day's hard search.
I think there is another
cañon when I can discover
it when I have time to
look it up.

As soon as my specimens
are dry I will send you
some. Could you oblige
me with a specimen of
true *Ch. Fendleri*, the un-
doubted plant?

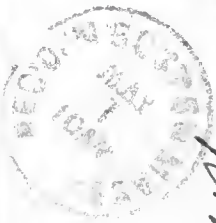
Yours truly J. B. Parish



WRITE THE ADDRESS ON THIS SIDE--THE MESSAGE ON THE OTHER



Mr. Geo. E. Greenbank
8 Hawthorn Place
Brooklyn
Mass



4
1
San Bernardino, Calif.

23^d June 1880-

Dear Mr. Davenport,

I should have sent
some time ago the little
package of ferns which I mail
today. But before they were
dry enough to pack I had an
opportunity to go down to the
Mexican line, and have just
returned.

You
will be glad to learn that I am
— my brother & myself — this weekend a
third, and abundant station for your
Ch. viscosa. It is at Mountain
Springs, 80 miles SE of San Diego, on
the line of the U.S. Military Telegraph
to Ft. Yuma, and but a few miles
from the Mexican line. It is
on the edge of the desert, nearly at

at the foot of a great mountain that looks out upon the desert. Its elevation (Mts. Springs) is said to be 3300 ft, but I suspect an error. There is hardly a handful of soil to the square mile; naked rocks, boulders of all sizes, & in the crevices beds of coarse granitic sand, which the fierce winds here prevail at scoop up and hurl about in blinding gusts. The only living things to be seen are "cactus-birds" and rattlesnakes. The vegetation which clings to the rocks ~~composes~~ ^{comprises} is such plants as *Nolina Parryi*, *Yucca baccata*, *Agave deserti*, *Freziera splendens*, *Echinocactus cylindraceus*, *Mammillaria phyllloperma*, *Opuntia Bigelovii* & other species of desert growth. But under all the boulders are fine tufts of *Ch. viscidula*. Of

course at that time it was all dry & shrivelled up, but from its appearance we judged that it must be finer, as it is more abundant here than at Whitewater. The remains of a specimen which I send you will enable you to satisfy yourself that I am not in error as to the species. There was here also a few *Pellaea* & *Bromelops* & *Ch. myriophylla*, but *Ch. viscidula* was the most abundant species.

At Whitewater *Ch. viscidula* grows, mainly, on the shady side of a high rock point composed of very rotten granite, & in the crevices. The few specimens I got at Agua Caliente were in ~~the~~ a crevice of a precipice of very hard granite. At Mts. Springs it mostly grows under boulders, but sometimes in the crevices of the granite.

Mt. Sprague is at least, I judge, 150
miles from White-water & in a different
range of mountains, so that it is
probable that *Ch. viridis* is to be
found at other intermediate places.
There is one where I feel sure
I can find it, if ever I have time
to go and look.

I wish the specimens I send you
were better, but I send the best I have.

I am looking with interest for
your Manual. I hope you will not
consider it too elementary to give
a pronouncing ~~vocabulary~~ index. I
have a dispute with my neighbour
who says *Pell'aea*, while I say *Pell'aea*.
Which is right?

Yours respectfully

Saml B. Pomik

Cheilanthes Parishii, (G. E. D.) n. sp.

Rootstock creeping, short, clothed with linear lanceolate, brown scales, with darker centers, fronds 4 to 8 inches, or more², in length, 1 to 1 1/2 in in breadth, oblong lanceolate, tri- to quadripinnate, both surfaces covered with coarse cobwebby pubescence, stipes clothed at the base with dark scales similar to those on the rootstock & above with paler scales and scattered fine pubescence or nearly smooth, rachis scaly with pale brown narrowly lanceolate scales, pinnae lanceolate, lowermost distant, pinnules oblong cut-down into obovate or rounded segments, involucres formed of the narrowly reflexed, unchanged herbaceous margins.

San Bernardino, Cal
5 April, 1881

Dear Sir -

It is some time since we have had any fine news to send you, but today we mail some specimens of a fern that we have not before met with, and which is apparently not described in the Bot. Californica, which is the only authority we have at hand. It grows with Notholaena Parryi, to which it bears such a remarkable apparent resemblance - Will you kindly determine the name of it?

We found a station for Ch. Californica this spring in a canon about 7 miles from this town, which is 40 miles further inland than we have hitherto seen it. It is about an 1/2 mile

P.S. Have you any specimens
of the Californian Equisetaceae
in the Herbarium, and would you
send from this region? If so
we will be glad to send them.

at the place mentioned, &
also sparingly occurs at the
western base of San Jacinto Mts.,
but is there scattering & not
very large. In the latter
place *Ch. Clevelandii* is
very abundant & fine.

We are having a very good spring
botanically, rain plentiful
& consequently a fine growth
of plants. Dr. Parry is here
and we have had some very
instructive and pleasant
trips together. Now that the
New Southern Pacific R.R. is
in operation may we not
hope sometime to show you
the herms of our ferns?

How is the "Manual" progressing?

Very truly yours,

Parish Bros

writes a southern species,
+ its nearest neighbor. The
altitude would be hard to
guess at, but I ~~now~~ think
it cannot be more than 2000 ft.
at it occurs, at no greater
distance from the mouth of the
San Pedro.

Of course I hope it will be
found to be new, and not merely
a Mexican or other foreign species.
But even then it will be
very good thing.

I do not know if the description
is proper, but if it should prove
new it would be a very
very much if you were willing
to name it for my brother, who
discovered it, unless you prefer a
descriptive name.

Can we be of any service
to you, to any one?
Yours very truly

San Bernardino

San Bernardino Cal.
30 April 1881

Dear Sir,

You have no doubt by
this time have received the
other specimen of the new
form which we sent you a
few days ago. I am coming
we have not much abundant
material, and we would at once
visit the place where it
was found, except for the
certainty that by this time
everything in that arid
region is dried & obliterated
so that it would be out of
the question to get any
good specimens. As soon
as there are rains next
year we will make an

good collection of it. The
station is in the desert
hills east of San Bernardino
(but in San Diego Co), and
not in the same region
in which Dr. Purdy found
Chelonicus viscosa, although
not in the same canyon,
which is another point which
I do not know any more.
Circumstances did not
permit a thorough examination
so that nothing can be said
as to its abundance. It is
probably rather scarce, as
my brother, who discovered it,
collected all that he saw.
But no doubt ~~with~~ ^{with} time
to completely explore the
neighborhood a sufficient
quantity can be found. These
goats were grazing in the
cavities of (granite?) rocks

form of North America, which is
abundant in the north border,
& which our form, on its upper
surface, somewhat resembles
at a casual glance. It was
only when looking over our
collections after our return
that we examined it closely
enough to see that it was
new to this region. We can
give you no information
concerning its distribution, for this
is supplied by the specimens
themselves.

The compliment which you
have paid in naming it is
very high & we are
glad to see for my brother,
Dr. Hill in British, who was
instrumental in its discovery.

I hope you are again
improving the one of your eyes,
for I do not think the Filices
can leave you yet.

Very truly yours

Sam B. Parrish

San Bernardino Cal
May 7, 1881

My dear Mr. Dr. Parrish,

I got today your
kind letter of the 28th. We
are much pleased that the
form turns out to be new.
There is a pleasure in
finding a new species of fern
more than one of any
other order. It has always
seemed to us that in the
many canyons of these little
explored deserts at least
some of the Arizona species
would be found, and we hope
yet to add some of them to
the Flora of this State.

It seems when one looks

when we find anything new
or new to get only a few
specimens, & it was so in
the present instance - that
little we had we have already
sent you & hope you have
received it in good order.
You must not return them,
as we requested, as our object
in asking it was for a
circumstance of reference, after
it had been published by you.
But as you intend to communicate
it to him we shall not need
to know it. As soon as it
can be again collected, which
can hardly be till next winter
we will send you a supply
of good specimens. I do
not think I can at present
add anything to the scanty
information & conveyed in my
last letter. It was gathered
hastily, as you remarked.

a very easy & satisfactory plant
for culture, and Hothotam
Parny, a difficult one. H.
Newberryi & Ch. myriophylla
we have tried several times
but so far without success -

We had the pleasure of receiving
a too short call, the other day,
from Mr. Pringle. He was on
the way from Arizona to San
Francisco, and intends returning
here next November, when we
hope to see more of him -

Very truly yours

Parish Bros -

H. ✓ San Bernardino Cal.
10 Aug 1881
Mr. Geo E. Doorepust

Dear Sir, We enclose by
this post some specimens
of Pellaea, including good
P. Wrightiana & P. Ornithopus, as
well as some less well marked
forms that seem somewhat
intermediate between them. We
have kept duplicates of these
forms & will be glad to
show your specimen of them -
We have indicated our own guesses
on the tickets. P. Ornithopus
is very common in this region
on hills the lower parts of mountains
say to 5000 & 6000 ft elevation, but
most abundant at about 1500 to 2500.
P. Wrightiana, of the type represented
by the specimen from San Jacinto,
is much rarer, but we have

found it on all the Mts. we have
visited at altitude of about 7000
to 8000 ft. The "intermediate"
forms we send you are from
an altitude of about 3000 ft.

The form of Ch. viscosa is
from a cultivated specimen. You
will see that it has quite lost
its viscosity, and might easily
be mistaken for Ch. Confusa.
It is a very difficult fern
to cultivate, but after many
failures, we have induced a
few plants to grow. They were
taken up last November, when
quite dry, and this seems to
be the most favorable time to
remove these drying up ferns.
Those we have in cultivation are
continuing their growth all the
summer. The same is
the case with Ch. Clevelandi,

It is a great temptation, for there
is a good large extent of interesting
ground that we have not yet
gone over, & that is almost sure
to reward the careful herbalist.
And we take a great pleasure in
the work. I should be glad to
devote all my time for the next
year or so to the exploration of
this region, if I felt that my
circumstances would permit, & I
can hardly persuade myself to
abandon it without one more
season's work.

It is very dry here yet, no rain
to speak of. For the last three days
it has been trying to rain, but with
very little success. There will be no
good North. Newberry tells me there
is some good shown.

I am,

Very truly, yours

Dr B. Parry

4

Dr Bernardino
3 Jan 1883

Dear Mr. Brewster,

Your kind form of the 24th
is at hand. I had concluded
that the *Aspidium* was 2 forms
of *A. argutum*, but am glad to
learn that it is an
addition to our California flora.
Like so many other rarities I
did not get a supply - only a
couple of specimens of which you
have some. If I get up in
that part of the Humboldt again
I will try to buy a supply,
but my impression is that it
is not abundant. It grows in
cracks of granite, at perhaps 8000 ft
alt.

I will remember those doubtful
Cheilanthes from the Santa Rosa of
San Jacinto Mt. There are no
more of them. I hardly think there

Newberry, of which I wish
and for a good supply when
it comes into good condition.
It is very abundant here.

In making up the set of
Ch. myriophylla (?) for Mr.
Stark I tried to get specimens
from as many stations as possible
and showing all the diversity of
forms that I could find. It
was a matter of regret that
this delayed the arrival of the
forms until after the death
of Mr. Stark, who I think would
have been pleased with them, and
I am glad that they have
come into your hands.

It is gratifying to learn that
Prof. Sargent has come to a
realizing sense of his injustice
to our friend, Mr. Pringle. I have
had the opportunity of seeing a good
deal of Mr. Pringle, having collected with

him, & having had the pleasure
of receiving him several times at
our house, and I soon came to
esteem him very highly. He is
a fine specimen of manhood
worth - like you I was well
surprised at his being compelled
to abandon his work.

Just at present I find it impossible
to say whether I shall do any
collecting this year, or a great
deal. But for my brother and
myself devoted a considerable
share of our time to botanizing.
Our success in finding new & rare
plants was very gratifying, and we
were unexpectedly successful in
disposing of the collections we made.
Still personally it would have
been to our advantage to stay
at home and attend to
business, and I hardly ever know we
can get away much this year.

at a log to spend I would
be glad to have it

I remain,

Very truly yours

Law B Parish

H

San Bernardino
May 16, 1883

My dear Mr. Davenport,

I send you herewith a few
specimens of *Northolama Newberryi*, which
I hope will answer your purpose -
They are smaller than usual, for
the dry winter has prevented the
development of forms as well as
of flowering plants. As the rains
are continuing uncommonly late
into spring, there may be some
better ones later, & if I get any
I will send you some. You
will find little difference in the
specimens, and I think this
form varies but little, at least
so far as our region is concerned.

I am sorry I have at present
no specimens of what we used to
call *North. candida*, or *N. Colifera*
as Prof. Eaton now makes it. It

is quite plentiful near S. Diego,
but with us it is found only
on one small hill, near the
town of S. Bernardino, called
Slover Mt. Here it grows
abundantly in the seams of
limestone cliffs on the exposed
southern and western slopes of
the hill - Both there and
at S. Diego the form is small,
but at Agua Caliente, on the
border of the Colorado desert
(S. Diego Co) it grows much
more luxuriantly, especially
about boulders, and less
noticeably in the crevices of
the granite rocks of that
neighborhood. I have no doubt,
however, that it is the same
species, only its surroundings
are better fitted to its
growth. I do not know if

I shall have a chance to
get some there again at
the right season, - Jan or Feb -
but if I ever do I will get
you some of the large
specimens. At S. Diego, I
am told, only the yellow-
powdered form is found, my
friends there being desirous
to get the white one from me.
At Slover & at Agua Caliente
both forms are found, the
yellow rather more abundantly.
Agua Caliente is the only
place in the desert region
where I have this fern -

Pough writes me from
Tucson, but the dry weather
and the Indians' discouragement
have a little -

If you have a copy
of your supplementing

4.

San Bernardino Cal.
April 7th, 1884.

My dear Mr. Donnell,

Can you not send me
a pound or two of your
Cheilanthes "gibbifolia" so
that I can recognize it
if I meet it again? I
think I could do so even
without any, but I would
like to have something to
compare doubtful forms
with.

As you remember I have
written to Orcutt and given
him the directions for
finding my locality - I will
give them to you so that
you may direct any botanist
who may ever happen to

collected here. On San
Jacinto river, about a mile
above the Toll house on the
mountain road among
boulders between the river
and river.

My brother has gone to
Arizona and proposes to
broth the summer to
collecting plants there, He
will be pleased to send the
ferns to you for determination.

We have had extraordinary
rain this season and
vegetation is unusually
fine, so that herbolists
will have a good time.

With kindest regards,
Yours,
Samuel,

Very truly yours

Samuel Davis

San Bernardino Calif.

Oct 6. 1894

Dear Mr. Davenport,

Your card of Sept 28 is
at hand. Thanks for your
kind assistance in determining
the plant sent. Will you forget
#269 — the *Nottholium* — or have
you not yet had time to
examine it. You so note.

It is in your card. It
seemed to me the most
interesting of the lot, and I am
curious to know what you will
make of it.

Yes, the photo. of the Arizona
camp was received, & it should
have been acknowledged with thanks.
Pray accept them ever.

Very truly yours

David B. Parish

San Bernardino, Sept. 4, 1900
My dear Mr. Davenport,

I have never collected again
Chelidonium Parviflorum or *Chel-*
idonium, nor, I am confident,
has anyone else. Very likely the
precise places where they typically
were collected have never been
visited by any botanists since. Still
it is remarkable that they have
not turned up somewhere.

Mr. Maxon's *Asplenium* is a
plant of the Coast Mountains, where
it is fairly common. It hardly
reaches us, although I have known
one small specimen to be found
here. Mr. Maxon got his geography
somewhat mixed when he spoke of
Newberry's collection in Cajon Pass,
San Bernardino, near S. Diego Mission.
It should be Cajon Valley, which
is near S. Diego.

All I have of this is the
representation in my own herbarium,
but Miss. Kimball of National City,
who supplied Mr. Maxon's type, is a
very obliging lady, and I have
asked her to send you some
good specimens.

As to the var. *cyclotama* of *A.*
fitz-johniana I must say that I
do not know the varieties of this
species. It is a high mountain
plant here. Last winter I gave
all the ^{original} material I had to
Mr. Gilbert, who is preparing to
publish some varieties of this
species. He had already been able
to detect some 15-20 varieties,
and, I think, found one or two
more in what I sent him. I
suppose there is little reason why
one desirous of making new
varieties should find any
limit to them in a species

such as this. When I next
go into the higher mountains
I will get a fresh stock of
this form, but when that will
be I do not know.

I am very glad that you
have taken up in hand your
Fern Manual again, and I hope
you will complete and
publish it. Our conservative
botanists have been somewhat
too conservative in publishing, while
our reforming friends have shown
great zeal in issuing papers
and books that might aid in
giving a vogue to their theory
and its applications in
nomenclature. It seemed for
a time that they might
carry everything before them, but
there are certainly signs of a

reaction, and as they have long
closed to agree among themselves
either in theory or practice, there
is hope for a return to a
more conservative usage.

In the mean time the excessive
manufacture of "new species" based on
trivial variations must defeat
itself. When a ^{young} man splits a single
species ^{young} into page after page of
"n. sps." or fills a pamphlet with
"new species" of *Silene* segregated
from what had been regarded
by the best agronomist as a single
species, it becomes evident that
the only limit to such species is the
number of individual studies.
The next generation of botanists
will occupy themselves in
reuniting many of the species-
now being so freely segregated -

Faithfully yours

Samuel Parry

H

San Bernardino, Cal.

June 8, 1901

My dear Mr. Davenport,

Why is not the fern I incline
Polygodium vulgare, L.?

While it is not quite easy to make
 out the veins in all cases yet
 entirely free, and if I am right
 it can then be nothing but P. vulgare.

To me the characters given as
 distinguishing P. polygodium from P.
Goniophlebium, ~~seems~~ the presence
 or absence of areolae, seems very
 artificial, but I suppose that is
 ignorance, as it seems quite satisfactory
 to those who have made a special
 study of the ferns.

Faithfully yours

M. S. Parry

No Brewster

Nov. 17, 1895

Mr. George E. Havenford,

6 Valley St.

Medford, Mass.

Dear Sir:

I send you
by this mail a paper
containing the specimen
of a fossil Woodrat,
which, while it does not seem
to me to be *U. vivensis*, al-
though it does not seem
to be correct and proper
U. vivensis.

I presume that you will
find it to be a fossil but

I collected it Aug. 1 on a
leaky, of my woods mill. It
grew in dense ^{but unappreciated} woods in
ice and at the base of the snow
drifts with a north western
exposure, none being found
on other slopes and but little
fruit.

I shall consider it a
great favor if you will kindly
identify the species.

Sincerely yours

John C. Parlin.

W. Thomas

(2)

OFFICE OF CANTON SCHOOL BOARD.

JOHN C. PARLIN, SUPERINTENDENT.

CANTON, ME., 7 Aug., 1907.

My dear Mr. Havasport:-

I was satisfied, or dissatisfied, in my own mind that those ferns were just what you said they were. You need not return specimens. Many thanks for identification.

Sometime I am going to send you a series of *Botrychium*.

Phegopteris hexagonoptera is very rare with me, this being my only station, and I have heard of it only two other localities in Maine, Portsmouth and Charleston.

I have not yet found *Aspidium cristatum*, var. *Clintonianum*, *A. Goldianum*, *Woodwardia angustifolia*, or *Pellaea atropurpurea*. Do you know any place in Maine where they grow? Is the stiff narrow fronded form of *Asplenium Filix-foemina* always to be the same in name as the broad rank form of wet woods?

Sincerely yours,

John C. Parlin.

January 2nd 1877

My dear Mr. Brewster

I am very

pleased to hear

from you and hope you are
well. I am very glad to hear
that you are still in the
field and hope you will continue
to be so. I am very glad to hear
that you are still in the
field and hope you will continue
to be so. I am very glad to hear
that you are still in the
field and hope you will continue
to be so.

Very truly yours

W. Brewster

I am very glad to hear
from you and hope you are
well. I am very glad to hear
that you are still in the
field and hope you will continue
to be so. I am very glad to hear
that you are still in the
field and hope you will continue
to be so.

H

Davenport Iowa Feb 24th /74

Geo. Davenport Esq,

Dear sir

Your favor of 22^d inst. to hand, thanks for specimens enclosed which I take to be identical with some other specimens received some time since from Cal^a and named by Prof Eaton Pennithopus var brachypterus. The fragment sent you is the one sent to Prof Eaton for identification & returned by him under the same name. Your doubtful fern leaf may be

Chamaebatia foliolosa Nutt figured in Torrey Pl Fremontiana. Which is wonderfully fern like and as fragrant as Aspidium fragrans. belongs to Rosaceae!

Botrychium simplex Hitchcock seems very variable I collected it quite largely from a single locality in a high subalpine valley in Yellowstone Park. The specimens gathered show quite a difference in the shape & division of the sterile frond, but Prof Eaton sends me fern-like specimens quite similar. but I think quite likely that one species will have to

include several now recognized. I also found in the
Park a very robust form of B. luneroides.
Side Station, with occasional faded remains of the
previous year's sterile frond, below the other unfurling.
I only collected sparingly and have now left for
distribution.

I am now getting ready for this season's trip to
South Utah, and duplicates packed away so thick
I cannot conveniently overhaul to see what I can
spare. I shall however keep your desiderata in
mind, and can in doubt do something towards
supplying them. I hope indeed to strike something
quite new in the region I am going to, at least
some novelties of which I shall collect largely,
and distribute freely.

In the mean time let me thank you for the
interest manifested in my researches, which is quite
encouraging.

Yours truly C.C. Parry.

P.S. I have made arrangements to correspond for
NY Tribune over in italics C.C.P.

Davenport Iowa March 26th/79

Jes. P. Davenport

Dear Sir

I am in

receipt of your letter 22^d

I send you by this mail a
small parcel containing a few ferns
of my late gathering including

No 262 Adiantum Capillus Veneris L

263 Notholaena Parryi Eaton

— a single frond of N. tenera Gillen

+ Woodwardia Seepulma Eaton

X Notholaena Fendleri

If you consider these of any pecuniary
value you may return me

\$4.50—

Mr J E Johnson of St George
is the only one who would be likely
to undertake a collection of ferns
N. tenera Gillen is found in a deep
gorge known as the water holes
about 12 miles S W of St George
on the road to Beaver Dam

A son of his was with me
at the time I collected it and
will remember the locality, but
it is scant and difficult to
find otherwise I should have got
more.

I partly expect to return to
that locality next winter
if so will look sharp after these
things

Respectfully yours
C. C. Parry

Westford. Conn. Aug 13th 1877

Geo. E. Davenport

Dear Sir

Yours of 6th inst forwarded from Davenport has reached me here. I fully intended when in Boston several weeks ago to have called on you but other engagements prevented. I expect to return to Davenport next month. have some idea of a winter & spring trip to Old Mexico next season. In regard to your firm discovery of Cheilanthes viscidula n. sp. (my No 272) I can readily believe that you are right in distinguishing it from C. Cooperi its locality and habit are quite different. It (yours) is found only on the Eastern (Desert) slope of the Sierra Nevada near San Joaquin Pass, C. Cooperi on the western side San Bernardino. Sta Barbara & Sierra Valley. (Lamman)!

When I get back I will see what
I can do towards supplying your
wants in that line, My San Bernardino
specimens of C. Cosperae were gathered
early and not well developed
C. virceda was collected by Linneman
and myself in April 1876

Possibly Mrs S A Phummen of
St Barbara could supply you with
specimens of C. Cosperae from that
locality.

Very truly yours

L. B. Parry

DAVENPORT

Academy of Natural Sciences.

Davenport, Iowa, Oct 11th 1877.

Geo. E. Davenport

Dear Sir

I send
by this mail small parcel of
Western fauna as you requested
by.

No 427 Ch. Cooperar. a C. virida Dav

429 Noth. candida Hooker.

430 Noth. Nauberg; Gal

Late collection of Dr E. Palmer as
per tickets enclosed

They are all good selected specimens
for which I do not care to ask pay
only as you may be able to do so
in the way of desirable exchanges
Yours Truly
C. C. Parry

San Diego Cal^a March 6th/82

Thank summer get p. last
year:-

I expect to stay here a month
or more, and shall be glad to
hear from you

Please address PO Box 157. San Diego
I am hoping to see Pringle soon
and hope we may take some
trips together.

Mr Cleveland is rather feeble
but still keeps up his botanical
interest.

If you think best you may publish
a brief notice of this discovery, and
will be likely to interest your lovers
very truly yours
C. L. Farry

My Dear Mr Davenport.

Knowing the
intelligent interest you have long
taken in American fauna, I take
pleasure in communicating to you.

(With a specimen not yet matured) a
rediscovery of mine made to-day
after an interval of 32 years.

The curious history in brief is as
follows. Early in the Spring of 1850
while associated with the Mex Bdy
Survey then stationed at San Diego
on one of my ramblings, I came upon
this identical *Ophryotrocha*. My specimens
then collected were lost in course, the
Isthmus. — and I afterwards left the country.
The distinct recollection however still
remained, and at different times I
have stated the fact, which in the
absence of specimens was generally

regarded with incredulity. I also
called the attention of Mr Cleveland
to this matter, and he has been in
the look out but without success.
Circumstances seem to favor a
trip to this region and review of my
old locality; one of my fresh thoughts
was the *OphioGLOSSUM*, accompanied
by Mr Cleveland I went, as far as
I could remember to the exact spot
but did not succeed in tracing it, as
I remembered however particularly its
common association with *Dodecatheon*
and *Toxifraga Parryi*, and in so doing
variable. whenever I came on a patch
of these, I looked closely to find the
little stranger. What then was my
surprise and joy in digging up a bulb
of *Prodiaria* to find in the way, and I
took up a diminutive leaf of the
"cutler," itself - then put on the clue.
I had no difficulty in tracing it

up, and therein seen, it is later on
of the same specimen, and all
"invariable." The survey is now
assured, only needing time for its
development. I traced it along at
different localities for near 10 miles
so that it is not very so - as a
growing plant.
Now, what is it? well be a matter
I leave you to decide having access
to the literature of the genus. I think
it can hardly be a form of *O. pulchra*
but it comes near my recollection of
a species figured in Hook & Thos Arn
perhaps *O. latifolium* or something
like that. It seems peculiar in the
double frond & short fruit spike
Now it may look when better developed
we will soon see. in the mean
time I shall watch & secure full
material to supply all demands.
Have you seen Arizona specimens?

Dear Sir. Davenport, Iowa July 23^d - 1882

Returning home once more after 2 years absence, I now send as requested small parcel of Ophioglossum nudicaule. Would it be convenient for you to send in return, some freight or Florida Specimen of the same?

Moses Jones seems determined to keep his stupidity before the scientific world. (See note in July Bulletin.) I have advised the editor of his incapacity & conceit. Mr. Pringle will tell you more than I care to state of his outrageous behavior in Lower California. I hope this will find you well & lively. I am busy now overhauling my collections just rec^d

Yours truly G.C. Parry



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

George E. Davenport Esq
No 8. Hamilton Place
Boston
Mass



Durhamport. March 2^d / 1874

Dear Durhamport

Mr. Pringle has just
come here on his way to Virginia
Your name has of course been
presented to him.

I have had some crop of an
specimen from Lower California
collected last year only the first one
trunkles were got, as I took it for
H. argutaria. but it looks a little
strange, what do you make of it?
Was glad to see Mr. Pringle and
have been consulting maps &c &c.
He & the Winans will go direct
to Tucson. I hope he will drop you
a line in this

Yours Truly

A. C. Parry

HERBARIUM OF H. N. PATTERSON,

OQUAWKA, ILL., Sept. 23, 1886.

Dear Sir:

I am now nearly ready to use the list of Ferns which you sent me, in the Herbarium list which I am printing, but on looking for it found that my wife had "cleaned up" my table, and put away some of the papers so carefully that they cannot be found.

Will you kindly send me another copy of the list, corrected to date.

I will be glad to send you a copy of my list when published, or will willingly pay for the copy from you.

Yours,
H. N. Patterson.

P.S. - To save time I concluded to set up list of Ferns, from Underwoods'

HERBARIUM OF H. N. PATTERSON,

OQUAWKA, ILL.,

Sept 24

1886.

"Our Native Genus". I send the proof herewith. Will you please correct it up to date? Would like all marked varieties, as they are useful in a list of this kind, intended for herbarium catalogue.

V

Quawka, Ills.

Feb. 3, 1890.

Mrs. Davenport.

Dear Sir:

Will you kindly correct for me the list of N. American Ferns, to be used in a new edition of my check-list for which I am now preparing the copy?

I have just read again, in the Bot. Gaz. of two years ago, of the photograph of N. Am. Alptoglossaceae - If you have any of these remaining, please send one to me.

Yours truly,

W. N. Patterson.

Miss J. E. Felton / S. G. Peaman
Englewood / Mtn View
Cook Co. / Cal
Ills

Please send a Catalogue to each of
the enclosed addresses. Are you near
Franklin, where Dean Peaman is? -
I have a cousin who is about to start
for that place to attend school
this coming year. Her parents live in
Englewood Ills. Mrs Muir is now
in Alaska, feasting on Ice and
Mountains. That beautiful Sound
Mrs Davenport. Wish you could
see it. Mt Baker to the north.

Rainier to the south and the Olympic
range in the west -- I feel like
saying the ohs! with points, as the
girl did at the Centen exhibition

I have forgotten something that
I wished to ask or tell you but
will have mercy on your time
and eyes, and say good bye
again for a short time, and you
must be glad to have me stop! E.O.

Do please do excuse me for
sending you this horrible bill. But
I have had back this letter one day
hoping to get me, and sent away down
this ring - and this is the result.
It is too bad to send but will
all receive here. I have spent
me, and don't think I can
such money. 809

Belleville

Belleville Dubuque Co. Cal.

Oct 16th 1876

Geo E. ...

8 Mass.

Boston Mass

Your postal came in
our last mail, and you
must have received my
letter about 3 weeks ago.
I am sorry after I mean.

I ought to have written
before, but packing, and
other things occupied my time
to such an extent that
I could not. I am now
where I think letters
reach me safely, as I
not known of losing but
one, in the five years that
I have called this home.

I enclose a (mutilated)
Catalogue, so that you can
know what I have.

I have not yet marked
any in the papers belonging
to the lost, so that I
have some more than I
have asked, but you can
tell very easily what you have
sent. The marks in pencil
at the left, indicate those
that I have. The double slanting
mark show those that I have
received from two or more
sources.

I am going to ask a
favor again. Will you send
me a few catalogues if you
please? I know not where
to send for them and
presume you can obtain
them easily - if not do not

go to any trouble about
it; the one enclosed was
sent me by a fern lover,
and I now send it overland
again, but I scarcely think
you will want to remark
it for your use.

I have not yet
heard from Menir, but it
is about time for him to
be coming from the Valley.

Hoping this will reach
you before you send another
package I remain

Respectfully Yours
E. O. Petton.

to the garden. I have not
first seen it. It is a
gold. It is a very old and
faded. It is a tree, but not a
and it is a very old one. It is
if it is not in it, it is not
in. It is a tree, but not a
and it is a very old one. It is
other specimens. The one in
and it is a very old one. It is
going in. It is a tree, but not a
largest field which is a
the plant, and the one in
it is a tree, but not a
the smaller ones I suppose is
a tree, but not a
and it is a very old one. It is
is not having pressed any
of the larger ones, excepting one
which my cousin claims to be a
ment her parlor with a
small ones, but if you desire one

to the garden. I have not
first seen it. It is a
gold. It is a very old and
faded. It is a tree, but not a
and it is a very old one. It is
if it is not in it, it is not
in. It is a tree, but not a
and it is a very old one. It is
other specimens. The one in
and it is a very old one. It is
going in. It is a tree, but not a
largest field which is a
the plant, and the one in
it is a tree, but not a
the smaller ones I suppose is
a tree, but not a
and it is a very old one. It is
is not having pressed any
of the larger ones, excepting one
which my cousin claims to be a
ment her parlor with a
small ones, but if you desire one

I have been thinking of you
 very much lately, and wondering
 how you are getting on. I hope
 you are well and happy. I have
 been very busy lately, but I
 have managed to find some time
 to write to you. I have been
 thinking of you very much lately,
 and wondering how you are getting
 on. I hope you are well and
 happy. I have been very busy
 lately, but I have managed to
 find some time to write to you.
 I have been thinking of you very
 much lately, and wondering how
 you are getting on. I hope you
 are well and happy. I have been
 very busy lately, but I have
 managed to find some time to
 write to you. I have been
 thinking of you very much lately,
 and wondering how you are getting
 on. I hope you are well and
 happy. I have been very busy
 lately, but I have managed to
 find some time to write to you.

I think that... was...
can tell when...
not be till I get to... with...

Thanks for your kindness in identifying...
... that it
was the same as I which I sent you... 14
is the one, I think it to be, and some of the
others I am quite sure of, but having been
mistaken in one or two instances, makes
me a little confident in my own judgment.

I shall be very, very glad of specimens
of whatever rare ones you are able to spare
as you may get them, and hope to be able
to send you more when I return to Cal.

I sent a few birds to a Mrs. Keckhaway, who is
going to exhibit them at the... (but had not
many to spare, when she wrote me, and did not give
her a very good collection. I have enjoyed your article much, and am
enjoyable. I have enjoyed your article much, and am
improving in health, and wishing by all means
to get to Cal. I hope you will take
only few out of the collection, and send the rest to O. Felt.

Dear Mr. Davenport
Your interesting
and friendly letter reached me...
a slow journey over...
mountains, finding its way in spite of
snow, wind and hail to this small
city of the Sacramento valley.
I was delighted and instructed
as usual, and hope that we may
have the pleasure of looking each other
by the end of the centennial year.
for I expect to start east by steamer
on the 15th of this month, arriving in
New York near the 9th of May.
The benefits of our exchange and
correspondence has not been all
upon your side, for I have received
and learned much from you, and

feel deeply grateful for all that
you have so kindly told me.

I must again thank you for that
package of Texas ferns. I was delighted
to receive them, and prize them highly. I
have one end of my trunk filled with my

ferns, and should we meet will
show you some beautiful wood from the
mangrove tree, also from the Sequoia
gigantica. I think that I enclosed some
charings of the former in my last package.
did I not? I shall be in Ithaca.

N. Y. with a cousin for some time, a
month at least - and shall be very
glad to meet you if you should be
journeying that way.

I shall be glad of Sonora
specimens, as my trip to Oregon is postponed
until another year, and I shall not
be able to gather any for some time.

Keep your T. Brewster. I would
much rather you had it than to

lose it, or have one myself, or
should not have it. It is not
often one finds as much of an enthusiast
as you are, and it is a pleasure to
gratify those who really enjoy the gift
of our woods.

Since I began my letter your note
of the 3rd inst came to hand, and you
will think me long I fear in acknowledging
the receipt of your first letter, but sickness
has prevented me from writing. I have been
confined to the house three weeks since I
came here, and am just getting out again.

I expect to see Mr. Muir when he comes
to San Francisco and will try and remember to
ask him for the locality of the ferns mentioned.
He spent most of the summer in the Sierras,
and tracing the sources of some of the rivers.
He was in the region of King river, Owens
and Mono valleys. The new valley which
he discovered is in the South Fork of King
river, 40 miles west from Visalia. It was

a few days ago. Niagara river
 and with this, mail you a package
 containing Adiantums. (Chilensis I think)
 from Yosemite and Pellaea Rumicoides
 and from the coast north of San
 Francisco a few large Synogramma
 and P. andromedaefolia. What
 think you of a coast aspidium?
 Well protected from the fogs
 by its shaggy coat is it not?
 How sorry I am that you did
 not write me of your errands in
 San Francisco I was there several
 times. While waiting for the boat, I
 finally came by rail much to
 my disappointment and go to Ithaca
 from Philadelphia, and will send
 you the mementos mentioned, but
 trust that I shall not get carried
 over the fall in imitation of that young
 lady of old - though I should enjoy a
 safe ride, well. My friends here have
 made me well acquainted with Niagara
 and I have increased my collection. Will
 you please tell me if the Asplenium sent are
 Trichomanes and Benueum? these are the first

I have gathered. I found also *Cystopteris bulbifera* and *fragilis* among sure of the latter) and a little *Pellaea*. will you tell me what the latter is? I send one found. I am not sure that I have

replied to all
that I should
your letters
are packed
and gone to
the depot. as
I cannot see
Pleasant you
haste and
that which
is left
for this visit
and better
does not go well
together.

mouth. To south of Yosemite Valley
some rocks were not on the road
and the gray granite
was also found the mountains.
It was quite abundant
rocks of Yosemite creek, and
found with this a
ground of what I think is highly

... I have but two or would
and more. It is a very
wet granite mine or cavern
hundred feet distance Mrs. Muir
tells me. The ^{(14) Ignorant} ^{to numbered}
package of Cryptogramme
are found in mine and with
... with these
... known
ville. I wish much that I
might meet the friends
of and if you will send me
the address of the lady in
call. I wish so
much that you could see the
orchidanthus collection which I have
you might be able to tell
what variety they are. I never
have noticed any

or those growing among
the rocks, but I have a basket
of ferns and will send you a
small frond which I cut from

are that you will have to excuse that which has been
said twice. but I will and this hoping you will be

it. I have a couple of others.
twice or three times as long
with the same downy silicles.
I shall be pleased to know the
specimen of the powers that be in
reference to Fendleri &c. I think
the two are the same.

I want to thank you for the
Bedford articles and ferns. I
have enjoyed them as much, but
have not had time to arrange
my ferns as I wish. I have quite
a collection with me, and would
like much for you to see them. I
fear that I shall not get to Boston
to see yours as I would enjoy
doing. If you will send me
the address of your friend in
Phil^a. I will call upon her
with pleasure. I go there Monday
and you may address me at
24 1/2 South fifteenth Street.
I sent you a root of Asplenium

17
as very shaggy that it did not
resemble its mountain sisters
very much. The young fern
number two. I think is a young
woodwardia from the spore but
still it looks quite unlike those from
the old root. I send you some
cheilanthes - how do they compare with
Mrs Clevelands? The young frond
I cut from a house plant, but
I never have seen any amongst mine
as white as the one of Mrs Clevelands.
I saw some lovely plants in horticul-
tural hall in Phila. Some beautiful
Gymnogramms, and of varieties not on
the catalogue, and I saw a pot of
Asplenium Belangeri with tiny
plants growing upon the fronds
quite like those you sent me of
a woodwardia pinna.

By the way I have looked in
vain for those plants on our

76
Thrace N. Y. Aug 8th
Dear Mr. Garenport

I have forgotten
whether I sent a card acknowledging
the receipt of your last package
with the pamphlet, or not, excuse
me if I did not, please, and accept
with this a double portion ^{of thanks}. I
have been visiting with friends
whom I have not seen for
six years and with some from
whom I have been separated
seven, and you may judge
whether I have been busy or not.

I have had so much pleasure
crowded into one brief summer.

I can hardly realize what I
have seen. only think of days spent
in sight of Niagara, of the rambles in

those beautiful woods. And when I think of a ride in Fairmount Park, on the banks of the Wissahickon I long to be there again. By the way I called to see your friend Mrs Cooper but she had not arrived and I was disappointed. How sorry I am to have missed the opportunity of meeting your friend Mr Robinson. I should have been as glad to had him look over my ferns. I am going to send you some mementoes from some of the places I have visited, and though you may have plenty, they probably will not come amiss as you are continually sending off packages.

By the way - you must think me stupid blundering as our Chatam - this, but it looks so unlike any of that family that I never have seen. and it seemed to answer the description

of that alpestris.

I have seen "oceans" of *Cystopteris bulbifera* this summer, at Thatkins Glen the most, and here in these gorges, as I have been wondering if only the bulblets produce fronds, do you know whether the spores of this fern - I mean those falling from the sori are productive or not? I find the little ones in the moss with the bulblet attached, and have no book with me from which I can find out. I spent a two delightful days in Thatkins Glen and found a few *Asplenium trichomanes* and still fewer. *Pellaea gracilis* I take it to be, but remembering the *Chlorocephala* I hesitate to be positive. It is a lovely spot! were you ever there?

The young frond of *P. minutum* was

California arduardias.

I should so much like to come to Boston before returning to California, and ~~am~~ as sorry that I did not take that city in on my way to Phila. I would indeed send you my picture had I one, and will send one for your album when I get some taken, but ^{it will} hope you will not wait for mine, for I should like to place your face before me - would prefer to have the real to the representative one, but a photograph is the next best. I feel quite well acquainted with you, but of course can only think of you in a dim sort of a way, surrounded by heaps of ferns, and loving all nature but of all. Should you be making a trip this way, dont fail to make me a call

at my cousins Mr Wm. A.
Phelps 31 West State Street
I think of going west in September. I should no doubt tax
your time and patience. for
I should want you ^{to} see all of
my ferns. and I ^{should} like information
concerning them from you.

It must be a fine collection
indeed that you have given
the society. and now if you
would get up a book on the
ferns of North America you
would be adding another favor
thus making your name famous
for ever more.

I received a fine package of
ferns from a Mrs Hathaway in
Ottawa N. Y. a few days since
and with them I find *Lygodium*
palmatum, the first I have had
She also sends a little *Botrychium*

which seems to be between
simplex and *lunaria* found
in Steger county. She writes that
she sent a specimen to Prof
Eaton.

I have not visited Enfield
and a *Lygodium* set, but will
remember you when I do.

This letter has been written
under difficulties. and it
shows it. please excuse it.
and me and oblige

Yours Truly
Emily Weston

P. S.

Mrs Cooper was expected in
Phila the 20th of June - the
night that I called.

Can I do anything for
you in Lar. Fern. or in any
intermediate points?

my ferns. I have
called *Chilanthus Fendleri* the
one out which I heard the
of your name. I have noted this
The *Chilanthus* you speak of
as being from the mountains of the
being *bleedarii*, we have
of *gracillima*, but I judge
there is very little reliance to
be placed upon the Academy of
in the naming of plants.
If it will not trouble you too
much, will you name by number
the ferns sent so that I can
compare names. No 5 is a
Polypodium grown in Oklahoma
... lying slightly from our mountain
... I hope to get
some new varieties this fall.
as soon as I am able to
get out, and will you please
tell me if you know of any work

H

Brown, 11 of 30th
no 6 I am sorry
Long Alice
Boston, Mass
your package
came to hand, and
followed by
your kind letter of
28th. I have just been
going through with my two
packages from you, for
you sent
the one before mentioned,
as I will not return
any of them. I know a
fraction of them, and you
me some in your second
in your first.
I received your second

little, accurate, the last one
and is obliged to
the trouble of
leaving Oakland
what ferns, & had others
and am very
I could not send more, &
rare. The Polystichum
was given me by Mr Muir, and
was found not far from
Soemite. I may get some
more from him, as he
now is in the upper Sierras
or was when I heard from
him in August, it is quite
rare, and he only gave me
a few, as he had disposed of
most of his collection. The
Gleichenia ~~Bridgesii~~ & Pteris also
came from him, and from the
region of Soemite. He told
me when he left that he

would try and make
some collections for me, but
is now on other business
being interested in the formation
of the Sierras especially, and
will not have time to devote to
gathering. I sent you
in my last package, one
new, a Gleichenia ornithophila, var
brachypterum, found on Mt Shasta
all I had to spare. The Aspidium
munitum excepting the largest frond
were gathered here, altitude 2200^{ft}
twenty hundred feet. the large one is
from Oakland, as is also the
clerens. Will you be kind
enough to name the latter for
me. The Chilanthes. Pellaea ~~Munroii~~
Gynogramma & no 7 grew here.
I am now where I can get
a root for you, but I do
not know which you mean

which will aid in the determin-
ing of names of ... I have
only a small English work
... and greatly feel
the need of help in learning all
that I wish respecting them.

Excuse the
delay in acknowledging the
receipt of your letter when
I tell you that I was just
leaving Oakland for a visit
on the sea shore, and then
busy with ... to come
to my mountain home.

Your letter is not the
only one lost in the Oakland
office, for I heard a number
of complaints of a similar
and it was not strange you
made the mistake in your
address of "Dear Sir."

are! and
with you? we have them here in the woods
waving their plumes up and eight feet high.
I had B. L. scale checked on my list, but
out. it was simpler. I would like some catalogues
and do not know where to see them. I can
you tell me?

E. O. Feltton

When is your work
done? which will give
me what it is and
now to obtain it, if you
can, and I will be
much obliged. I am

try to send you
some more specimens
as I shall collect some soon

Our mountains are
bathed in sunshine, such
ly as a Californian sun can
give, and it no doubt shines
on many a rare fern, making
them ready for our gathering.

Our roads are now very
dusty but we soon expect rains,
not having had any since May
I think.

Brownsville
Cal
Respectfully Yours
Emily O. Feltton

to. I have thought no more of
the place. I have saved you some of the
larger and also, lace and forgot
and but those from "Buttermilk Falls".

I am going to be a nurse

L C v t
8 Jan 1907

I have been
 highly prized botanical friend
 I think you must recall
 that has become a very young
 friend, and probably have
 made in your botanical
 that I have seen in
 the last a different
 which beneath the same
 and is.

Letting me know
that you are
in the hospital

very soon
I hope you will be
able to get by it

Herping was this
a little bit
and you
were all

Love
C. C. Brown

will you please tell me the names of
those just mentioned. I am still without
a work for analyzing ferns. Will you be
kind enough to tell me the name
of no 1. 2. 3 & 4 ^{They are all *Polypleurium* I think is *Lepid. neogrande*} ~~One of them~~

They (1, 2, 3) were collected near Minnequa
Springs, while I was at Canton Pa. the moss
4 is from Watkins Glen. The moss
and maiden hair came from Buttermilk
Gorge at Ottraca - Perhaps you have
been there - All of my specimens from Ottraca
falls were left behind and so I cannot
send those I saved for you which I regret.

My "Photo" you will find enclosed
among the ferns and could it speak
would give you friendly greeting, with a
warm grasp of the hand. This picture
is considered a very good representa-
tion of me, and was taken this
winter. Though I scarcely think
you would recognize me should
I walk into your store some day
a year from now, or should you

Englewood Cook Co Ill
3^d 15th 1877

My dear Mr Lavenport,
I must
beg you to excuse me for pro-
crastinating as I have. Not even
acknowledged the receipt of your
Polypodium falcatum for which
I was very thankful notwithstanding
my apparent ingratitude.

I found it here upon my arrival.
Your letter and card found me
at Morrison and visiting and
being half sick must be my
excuse for not sending my thanks
for the above mentioned favors.

I have a *Polypodium*, a single
specimen which was given me by a lady
from Oregon, very much like this

one, but not fruited. Will
you be kind enough to
give me a slight description of *P.*

Scouleri in your next. I had thought
mine might be that, but do not know
how it differs from the other *Polyprodrums*

Mine looks enough like *falcatum*
to be it. I have not compared them
as mine is not here. Many thanks for
this one and if I go to Fresno will be
sure to make inquiries concerning
Dr Kellogg's. Oh I begin to feel
uneasy! to long to be among the
mountains again. Some years ago
I was where I could step out and
gather wild flowers; and to think
that now the ferns are many of them
in their prime, and so abundant, only
waiting to be gathered.

I hope to be among the mount-
ains in April, but may not
leave here before the middle of

that month. I do not know
where I shall spend the
summer - but somewhere between the
summit of the Sierras and the ocean
and wherever it is will find plenty
to interest me. I know.

I shall be glad if I can aid
you in your study of *Polyprodrums*
and hope you will trouble me all
you can by questions regarding
their growth or locality. if there is
anything one admitted to their homes
can tell of to me city bound.

I have been doing up my fragments
to send you, and have put in one
or two that are new to me.

^{11 specimens of *P. fragilis - agnata*}
9 & 10 were collected by Mrs Muir
near Yosemite Valley.

11 Is the same as some I sent you
from Brownsville one year ago. You
then thought it *Cyrtopogon dentata*

find me in the woods some
day with my arms full of
Woodwardias. You will find a
few Polypodiaceae in the package 12
came from the Coast range, near the
bay. Just south of Mt. Tamalpais
~~that is~~ the large one ^{was} gathered 13 is from
the Sierra Nevada range, near Brown-
ville: those in the small paper
are from Bovill too but ^{five} ~~a couple~~
of miles distant from 13 and where
the altitude is perhaps a couple of
hundred feet greater. The other
ferns are old acquaintances of yours
and from Brownville, excepting those
with 9 & 10, which came from Yosemite
Valley vicinity.

Hoping this will find you prospering
beyond your wildest anticipations, and with
many good wishes for the future I am
sincerely your botanical friend—
though a feeble one. E. C. Felton

Bolinas Maine Co. Cal.

7th 10th

My Far away but not forgotten friend
I once more rearm my pen to
chat with you in this one sided
manner, and wonder if you will
be obliged to look at the end of
my letter to see who it is from.

Many times since receiving yours
of march (I think your last was
written) I have thought I would
write, but only waited to have
something worth writing about, and
now I take my pen feeling that
I have nothing of interest to say.
But wanted to let you know of my
whereabouts—presume you recognized
the roots sent a week or so ago as
coming from me, and so knew
that I was in the "land of the living."

and the hope of the future, now

I put in some dry polypodiurns - it is so late here I find none but dry ones (thinking you might study the veining from them easily). I noticed one, having united and five veins on the same frond. One taken from the same lot of those I sent you. I sent to Dr Kellogg and he pronounced it P. Californicum. I have some more dry ones gathered in a ravine four miles from here, and will put them in when I send you some others that I am going to put up for you. Are they of any use to you? I wanted to see Dr Kellogg when I came through the city but was with friends who rushed me to the Cliff House, giving me no time for hunting up what I wanted to. I did not have Dr K's present address and could not see him. I have it now and hope to see him sometime at the Academy of Sciences. I hoped to get the ferns from him you spoke of to me, and wrote him about them, but he informed

2nd and lies in Denver I was in Colorado thirteen days and would like to spend an entire summer camping in those beautiful spots. If I could only play that I was one of the Utes I might make a good many discoveries. Perhaps I might better wish that I had plenty of means to spend my summer where I liked and choose my companions. But as it is I must think of my bread and butter and as I am here (seeking for a school) with a half sister, my nearest relative.

I made inquiries for that friend of yours Mr Wilson I think was his name, and found that he died during the spring or winter.

Denver is so far from the mountains that one has to make quite an effort to get out where ferns are growing.

The nearest point, I think is Morrison, a little watering place in the edge of the mountains. There

is a mountain rising six hundred feet
from the hotel. This I climbed and
it was there, that I found abundance
of this cyrtopteris like fern, growing
near the base of the mountain. Further
as you see it, in May 17th, higher up
it was not so far advanced, while at the
top ~~they~~ ^{it} was just pushing out from
the crevices. On the opposite side
of the little ravine I scrambled up
a rocky ridge, seeking for treasures
but only found a few pushing out
from crevices, and succeeded in
getting a few. I sent you one or more
roots, they are a little like that — oh
I cannot speak the name, and my
ferns are not here so I cannot
refer to them. It is one that I never
have collected till the time just men-
tioned. Is it not schizaea?

I was not in the "snowy
range", so only found patches
now and then, but could see
plenty of snow on distant mts.
Pikes Peak was covered and Longs
Peak both could be seen from
the same point. The atmosphere is
so wonderfully clear. The have
very clear air here: from my window
I can see the entrance to the Golden
Gate and the beach beyond, plainly
when not foggy; and that is fifteen
and eighteen miles southeast.

The light from Point Benito is
plainly seen nights, and the fog horns
distinctly heard, warning benighted
mariners from the rocks, within as
well as without the Golden Gate.

We had the pleasure of seeing
a whale last week — the first one
I ever saw — one of the small variety
known as a California gray, sixty
five feet in length. There is
much of interest over here on the
coast — but I forget, I am taking
up your valuable time, and as
will draw this too lengthy epistle
to a close. I am so glad to yr.

are from Russian river vicinity. The Dry Pines and Polypodiums are Bolander's.

sent me *P. Scouleri* for I never had seen any of it. Your specimen of *P. folcamin.* I think is the same of one given me from Oregon the pine so pointed, is that the only difference. Kind regards to my botanical friends.

Respectfully yours
E. O. Felton.

The Mrs Merrill you have mentioned once or twice may be one that I met at Brownsville. I think, one year ago last winter. There was a gentleman there with two other gentlemen looking at mines - they visited Hansonville and remained over night at my cousins, and the Mrs Merrill appeared interested in ferns enough to take down the names of one or more that he had found, and with which I was acquainted. He was from Boston and I regretted so much not having asked if he knew you.

Later - I have put up a pkg and with a few poorly preserved ferns I found that I had

me that he had none, kept no specimens - gave them all to the Academy.

But I have not given up all hopes yet, may come around the old gentleman yet. Wait till I get hold of something rare then he will exchange perhaps. Here I find *Pteris aquilina*. *Polypodiums*.

Adiantum Chilense. *Gymnogramma argutum*, also the lady fern *Aspid. monitum*, and in one place only, *Woodwardias*. You see we have not a great variety.

Did you get the note I sent from Colorado? I hope you did, for I did not find many ~~and~~ kinds and only two abundantly. Oh I wish you could see those wonders - the mountains - had I gone one month later I would have brought more treasures away with me, but it was too early. One ramble I took of three miles, over the mountains where we could see Denver eighteen miles away I enjoyed so much.

20
Delphinium was in bloom, and stood
up boldly in the breeze. Tulips were
just coming up. Crocus in abun-
-dances and a number of other
flowers were out. I found an
abundance of one fern, Cyrtopteris
or Woodwardia. I was not sure which
it was, I gathered a good deal of
it and sent you some of the roots
in May, the latter part. The week
before I had been down to Manitou
Chew I found a few Chilanthus
a couple Pellaea, and in going
up Ute Pass abundance of what
I took to be Notholima. Oh how
wild I was when I saw the latter

I clambered up a break neck
rock - could see tufts of the ferns
way above my head on the face
of the rock that I could not reach.

Brought away my hands full but
they are so brittle, half were ruined
and I could get them in my book.

Did you get the roots I sent?

I am provoked with myself that I
did not stay longer in the mountains

I sent
the necks below the "Seeds a little"
also some Chubuthe obtained on the
way. I have been waiting for this long
in question. I hope you can
read most better meaning than
than my poor pen can give.
if I only had the means to travel
I would like to. I would be
happy. Why is it that those who
do enjoy seeing new places and
beautiful things are disappointed
that enjoyment, while there are
many who have ample means are
content to sit at home and see
nothing. I ought not to say that
and do not though the above looks
a little better. I have seen a good
mountain the last year
and am still looking for
visits in the future. The infrequent
inaccessible heights and
even to the Sandwich Islands. If
health and school will permit

I have been so
long since I have sent you a letter,
that I feel quite stranger like as I
sit here dull in lap to chat with
you. I thought back in my
old home where our acquaintance
first began. Your last letter reached
me at the springs in the
Coast range. I received a
response before this. But I put
off writing till I got where my
ferns were, and now I am going
to do what I promised.
I have been moving around
a good deal in this last two
months, and can only wish that
you as well as all lovers of natural
scenery and plants could

and I hope
a little more, where, now I have
before me
by the way, I have
to get a specimen, have
a little more here. Truly
kind, but I have not time to
write you more. I have sent
this morning a little more sticks
to you. I hope you will
be able to find some more.

Some of these that I have sent
any I have gathered. I
hope you will make some of the
line that I have from western

By the way did you get some
miserably pressed. I have
that I left to be sent you. I have
some that I found just before
leaving that differed from those
gathered. I wanted you
to have them. These that I have have
seem to have any indurium, but
it may be dried up so here are quite old
yet look like aspidiums. Correction
the lady fern. I got them in a little place
and you will notice what a peculiar way

Who could resist such an appeal
as much I could say as much as
I wish

and spread its contents
before you but as that cannot
be done I will write a little

specimens to
and you can have them in Colorado
if you find anything you
part of it. I have had

sent you Nevada and I have
it, that growing to
we think that possibly they

one, I have the
difference in the
I have collected them knowing
that they were to be the
same, I have sent them to you

have reasons to be quite sure
and do not rely upon my own
judgment. I think that I sent
the root from which I broke a
found sent, in fact to Mrs C.A.

of their views, they have got folding
up their pinnacles.

I am going to send your children
here till you will, as soon
as I can get them after our rains
begin. We usually have a pleasant
spell when the rain falls.

I am going to be located in
an entirely new section the next
week in another ten miles north
the valley, and two or three
hundred feet lower altitude, than
this place which is twenty two hundred
feet above sea level.

I be near Dry Creek and hope to
find plenty of signs. Though I
fear a sprained foot got in Bolivia
will prevent me from rambling as
much as I will want to. I have
heard it too much about pneumonia
it from getting well though it
was but once in the hospital.

I begin school in October

a d thought I am two miles from
here you may direct your next
letter to Stam. Hill, as I do not
know how to get out of my
house that I'll be.
think my school is
more from the office, but my cousin
can send it safely
by express & I'll be
shall be here after.

Thank you for the
new pen. I wish
though it is going to be made, per-
mit me to send it to you
I can take with me, playing
be itinerant as I am. Won't you please
tell me what the name of the
Chilanthos family is; I saw in the
other members of
that family; I read in some old work that
that and I have never once seen it.

Your worst enemy of the
if little I think. Don't think
you by sending you that
lot of dry. I don't know not thought there was
a chance of its proving to be a Chilanthos
I have sent so many. I passed all that I could
I thank for your good long letter from St. Louis
I always heard something of you. I remain Sincerely yours & O'Brien

by which it could be managed,
I could pay part though not more
than a fourth of the two thousand.
Can't I get some appointment, some-
thing not laborious - entertaining the
passengers come to think I have not
good. I am a good worker - or
botanist. I'd be a good worker if
my knowledge was not very great.

Oh dear! I wish I could go! I'd
send you lots of nice specimens.
Do excuse me for all this talk
about myself - you'll think me a
"garrulous" old woman (I am fast
approaching forty) I am sure.

I went to Brownsville two weeks
ago, and sent you a memento of a ramble
among the rocks. Did you get my box
of chelanthus? I have some pressed ones
up there for you, and will send them
then I go up Christmas. Tomorrow I take
a ramble on that rocky point that
I wrote you of visiting two years ago.
Come to think it is just two years if
I mistake not since I made that visit
Sunday A.M.

I made the visit planned, and have
you some gracillimas. I did not find
the rocks as beautiful as on my previous
trip. We have not had as much rain
the past fall, and the maidenhair is not
near as advanced. The Cypripedium is
not perfect yet so I would not gather
it but will go again in about a month.
There is very little of this last, but fact

I can find no one who has any greenbacks so
must trust to your confidence in me. I am going
to send this to the clerk unregarded. Hoping
to see you soon. I will be
as true as he
is able. If
as, it will
be sent in
soon.

Oregon, U.S.A. Dec 1st
Salem, Dec 1877

Dear Mr. Garret,
H
I am going to
ask a favor of you and will
come to business at once.
I want a pocket magnifying
glass, and as I am not situated
so that I can select one my-
self am going to ask you to
get one for me. I want it for
my preise, Christmas, and have
heard that friend wish for one
with a metallic case, so prefer
that instead of rubber. I
want the glass good, no matter
what the case may be, if it is
only something strong enough
to protect the glass, should
it slip from the pocket, or
get a substantial knock.
Will you get me one, and

thus oblige a country land creature,
I won't limit you in price, but
suppose it won't be over two
or three dollars. and if I can get
some paper money will enclose
some in this. If I do not send
any (it will be because I cannot)
will you be so kind as to advance
the money, and send the glass
at once ^{to Riponville} - for I want it very much
and just as soon as I can get
it I will forward \$2.00 and if it
costs more, will make it right
as soon as I hear from you.

So much for Christmas and getting
lure - -

Did I get your letter? To
be sure I did and was glad to
hear from you. and accepted
the gentle rebuke. (though none
may have been intended.) I did
not mean to complain, and
when I compare my lot with

many of my friends. think I am
highly favored. Indeed I have
been favored all of my life, far
beyond my deserts and far more
than most orphans are.

Adopted by an uncle, and
cared for by him as his own child,
I was brought up in comfort and
ease. But he losing his property,
or rather becoming greatly im-
barased a few years ago. I went
to teaching. My uncle died four
years ago, and though I have
many friends who offer me homes
I prefer to be independent, and
as can gratify my longing for little
trips now and then, to spots I desire
to see. Just now I am thinking
as much of that trip around the
world on board of that ship. I
forget the name, and if I only
had the means would go quick.
Don't you know of some way

50
I saw it growing in but
this one spot, hiding under
a sheltering rock, in ground of
the cascades near. I am weary
to-day after my horribble ride
of eight miles, and climb over
a rocky hill side. There were too
many yesterday, and I did not
find *Chilanthus* plenty, and my
friends hurried me, so I don't
feel satisfied with the result of
my ramble. I will go alone sometime
and get you some nice roots if possible.

Chilanthus grow in crevices where
there is not much soil. They
appear to like contact with the
rocks, and the roots are quite difficult
to get.

You speak of *Isotrichum*. I
never have found any in this
state. Should be glad to read
your articles on B. - . I should
like much to have this new

work on ferns, that is about
to be published in numbers.

The prospectus does not state
when the first number is to be
ready. I could get one or two,
perhaps, to subscribe, but four
is a couple too many.

Winter, no doubt is flinging
his mantle over your landscape
and possibly your hills are wrap-
ped in snow by this time, while
here, everything has still a
summery look - now and then
a tree with autumn tints is
to be seen amid our evergreen
hillsides. Once in a while a frosty
morning reminds us that winter
is here, but still we hardly credit
it when surrounded with blooming
roses and trees clothed in summer
dress. Please send the ferns to
Brownsville (those you spoke of sending
and the glass if it will not be too much
trouble to get it for me. I expect to be there
during the holidays, and believe me gratefully
yours E. O. Gelton.

the window outside, smiling
upon the incoming year.

Thanks again for your
remembrance. I did not
know that I had a poet-
friend at the "Hub", but
I congratulate you for
your success in use of the pen.

Good by, and a Happy
New Year - Very many
of them.

Sincerely,

E. O. Feltton.

You won't require a
magnifying glass to read
some of this. I have had
quite a trial with pens.

Brownsville, 12. 28th / 1877

My Dear Mr Farnport

Your

valuable package came to
hand to day, and many, very
many thanks for the contents.

I prize the paper on Botrychium
very much, and appreciate your
kindness in remembering me.

The glass came the morning
after Christmas, and is just the
thing. It gives entire satisfac-
tion I can assure you, both
to myself, and to the friend
who received it. And I feel
very grateful to you for taking
time to hunt it up, and
also for the confidence in me
in sending it.

Enclosed, please find the

the balance due. \$1.75. I can only come close near to the change as we do not often see postal currency. Don't trouble please about the extra quarter, I presume you spent some on car tickets so it is all right. And I want to say again how thankful I am for all your kindness.

The ferns came safely, and what a lovely little thing *Notholaena dealbata* is! How I would enjoy finding it, but I think I am too low in the foot hills for *Notholaena* of any kind, don't you think so?

How I lament my carelessness in not getting more of those *Woodsi*s. It is so easy to see how we might have managed when too late to remedy the matter.

I want to tell you of

a present which came to me these holidays. for I know you will congratulate me in your heart. The ^{volume} *Botany of California* by the Geological Survey - a six dollar volume - as you may know it contains some reading.

The stage is expected momentarily, and so I have no time to write.

Excuse haste, I wish I had more time to write.

I am going to send you some pressed *Chilanth* within a week, unless I delay the package in order to put in some new ones now growing a mile from here that I am going for this next week.

We have no snow, and the roses are blooming by

momentarily expecting the stage. I
well remember beginning it, at night
and owing to an interruption by company
could not finish it, and in the morning
completing it with three or four hurry-
ing me up, as the stage was due at
eight or near that. I thought of
writing again as soon as I should
get back here, but my resolutions
have ended as so many do. I was
much pleased with the glass you se-
lected. It is much more powerful
than mine. I must apologise for
not sending the package I promised
and I have no excuse to offer but
that of procrastination. I did hope
to get some more Cheilanthes
while at B. ville but I was ^{very} sick
when I went up and did not
go out on any rambles. I expected
to make a visit up there this
week, but rain has prevented.
but next Friday if not too rainy.
I shall go to my cousins and will
then do you up what I have
and send them along. Excuse me
please for not doing as I promised.
I'll try not to do so any more - till
next time maybe. If you

C. J. Hume, Esq.
Lula Co Cal 1-19-78

My best of botanical friends
Your letter
of the 8th inst. has just reached
me - and how can I make you
understand how I value your
kindness in reference to the Fern
Book. You are very kind and
of course I will try. Thanking
you heartily for the interest
shown and in the many ways
you have since our first
acquaintance began.

I am sure of one subscriber
for the Fern Book and have
no doubt but that I can
get one more to begin with.

I judge from your letter
that the first number has appear-
ed, is it so? Have you it?

How could you think I had
taken offence? No indeed never
fear that I shall at any joke
on age, or anything I think you
capable of joking upon. It
was haste that caused me
to overlook your penciled note.
But still I alluded to my poet
friend and that was the
letter referred to I guess. Had
I been overly sensitive, I should
not have mentioned my age
probably - No need of telling
you that I was nearly forty
when you were not near
enough to see the "crow's feet".
So I beg of you not to fear
that I shall "misunderstand" you
or be on the lookout for some hidden
meaning. I think we would be
very good friends were I near
you, (did I not annoy you too
much with my ignorance) and

you would let me come and study
your specimens, or botanise with
you now and then. How few ever
realize the "dreams" of their youth
and yet "behind the cloud the sun is
still shining," and "into each life
some rain must fall."

I am very glad, if by giving
you a glimpse of this land of
sunshine - just now it happens
to be of mind - I have ever driven
away the "Blues," that dismal of
all diemals. I guess none of us
get along without those blue tints
surrounding us now and then.
- You have blue glass in Boston
do you not? Have you hung up
a piece in your fernery? It might
revive those drooping ferns you
mentioned as struggling for existence.
But to come back to my last letter, I
think if you will look at it again you
will find that I wrote hurriedly, while

to Brownsville and I am too apt to
write too long letters to my friend
where I ought else to do.

I do not remember whether I said
what I ought to of my returned
Colorado ferns in my hasty letter.
I know that they came safely. When
I get time I shall arrange them.

No fears of your
losing this miserable correspond-
ent - no such good luck

had her as going around the
world - but she wants to, and
would willingly take wings
if she could. Mrs. Haunty
is an enthusiast. I spent
some very delightful days
at her home when east and
west from her now and then.

Thanking you again for your
pleasant letters - papers and
all else I am indebted to you
for I will say good by for
the present.

Your humble botanical
correspondent & friend E. C. ...

I feel guilty every time I think of the ferns I promised you
and which I did not send. May the picture be brighter for
me than the ferns.

5th
particularly desire any specimens
from this locality (altitude
about 21 or 2200 feet) let me
know and I will be most happy
to send you them. Our Manzanita
is in bloom. I wish you could
see a bunch as it stands amongst
the fir and pines on the hill side.
We have had delightful weather
until the past week, but Wednesday
a storm came that made my horse
stagger (by the way I ride to and
from school) under me. The
wind blew furiously, and the
rain came in torrents. A large
tree fell across the road, one
or two minutes after I passed
the spot, giving my nervous
horse quite a start. It was
fortunate for me, and for you -
as you would not get that
package of Cheilanthes - that
I was riding rapidly - on
the "lope," as Californians say

10th

But I must tell you of the lovely rocks that I pass daily. They are covered with lichens - a dozen different kinds on some of them, and "boulders" with Gymnogrammeae and mosses; would you not like to rest your eyes on one in the midst of your bleak January? I wish you could. As every storm they brighten and look at me in such a human way that I feel uncomfortable reminding me of stoofish. They are alive I half believe.

I have you to thank for a paper arriving with your letter. The Bulletin I have read it with interest - and am sure that the package of Chilianthes I lost at the hotel at Bartlett Springs was *C. viscidula* may possibly have been wetted. I wish I were indeed a "creature" who could fly (at times) to the canyons and scale the mountain heights. I

7th

would bring home trophies that would light up the eyes of the "wise men of the east" - You at the Hub for instance. But I am only in the foot hills; at my cousins there is a hill of ~~the~~ that is four or five hundred feet above the bed of ~~the~~ creek - and no ferns that are rare, to be found on it I do not believe.

How exact those drawings are of your Botrychiums. I think number 17th must have been copied from me I have here - Did you visit my collection in the night - sing the spirit for it?

I wish I might find some plants, but I look in vain for them here.

I must bring this too lengthy epistle to a close - excuse my saying so much that is of no interest. But this is my lonesome time - when I can not go

to make passable specimens, any of the years from
that I could send in the way you suggest.

I know of no one at Bartlett Springs that would
know where to find any of that *Chilanthus*. I
might not be able to find any more like the one
I found & had, and the beautiful *Chilanthus*
carried off. But if ever I go again, shall visit
the rocks, not assured. For wings, not of a sort
I want an eagle wing. They are strong & hard
like me to cliffs beyond the reach of my weak
hands and feet. I wish you could see our
front flower. The plant stands up in the night
and by sunrise the following morning a two
three inches high. By riding you will see whole forests
of white trees and as the sun warms the air they bend
down and lower, finally laying down their heads &
be resurrected in a few hours. My conscience smites

me for writing this long letter. When I have as many
unanswered letters - older date than yours - but I could
not let this few (strangers should be obliged to) be omitted

I
in my desk.
So here I put
the starting in
and send it
along, early in
evening, with a little
affectionately
yours
E. D. Nelson

3-18th 1878
Bartlett Springs, Cal
Dear Mr. Davenport,

And have I at
last found something to make you
open your eyes? Is it a *Chilanthus*?
It looks like my specimen of
Californicus - but I have not them
here and so cannot compare. I have
not seen it growing, but know where
it is to be found, and so am sure
of a lot of it. Yes, you shall have
some when I make my raid into
the edge of Butte County. A friend
has just brought me this, and
in two months I shall be out of
school and then over there I go.
But I don't think I will have
to wait as long as that, if premises
are kept I shall have a lot brought

to me. Did you feel your ears
tingle last Saturday? I always
think of my fern-loving friends
when ferning, and last Saturday
I had a genuine tramp over one
of our hills, and such quantities
of *Polka andromedaefolia* did I
see, that I wished all my friends
were there with stacks of magazines
to carry away treasures in.

I must tell you that I have a fine
lot of *Polka Gymnogramma* and
Cheilanthes for you and will add
to *Andro's* - Did you get the
roots I sent two weeks ago?

I had just been to "Rocky
Point" my old, lovely spot that
I wrote you of long ago, and
came home laden with ferns
and posted you a few with a
~~dozen~~ *manzanita* flowers.

See I can send you a
cane of *manzanita* wood, but

not at once. It ought to be
seasoned before shipping, but I think
I can get it there by the time you
need it to lean upon to support
your tottering steps. If you begin
to feel shaky already, telegraph
and I will hurry up!

I have rec'd Part 2nd but not 6/10
of the Fern Book. I like it. Still I think
they waste too much paper. I have
one subscriber ^{and have sent the number} and if they would
take one for a part, one for five
numbers, and possibly more than
five. I am ashamed to send
you unpressed specimens of our
ferns, but you shall have a good
package by May. And I must
tell you that I descended to the bottom
of that ravine and brought away
some more *Cyrtopteris*, so you
will find a few of them, though
only a few in the coming pkg.
I doubt if you could press as as

Accept, please, my sincere sympathy in your bereavement. I know from sad experience what it is to lose loved ones, and how hard it is to live without that loved one. But time helps and the Good Father loves us all the same if He does bereave. Oh what a lovely world this is in spite of the heart aches coming and going each year. I presume you are not quite released from the chilly grasp of winter, while we are out in the lovely spring, speeding away toward the summer land. How I wish you could see some of these ravines. Why is it that those who would enjoy beauties to the utmost are so frequently denied that gratification. I believe you one of those who would enjoy entirely the beauties of this country. I must tell you that I have just had a visit from my highly prized friend John Wimer. He is such a different man from the ordinary man. Pure and noble.

Cal
Bolinas Marin Co.
Mar 18th 1879

Dear Mrs Davenport

I had no idea that your letter of the 4th of Oct would lie unanswered till March - but it is even so. and though not quite six months have elapsed, it seems to me as though a year or more had passed away. I was taken sick in Dec and for three weary months passed my time in the house (with one or two rides, at the latter part) and for over a month in bed. Lung fever laid me up and kept me very weak for a long time. - But I am now again taking interest in my old pursuits and have

finally got around to your letter - where I have been longing to get for some time. My botany has the most of interest to me now of anything, and I find myself wishing I could see you, and ask you so many questions. Your paper on *A. spinulosum* was read to me by an appreciative cousin while convalescing. How clear you make your descriptions. I wish you would write up our California ferns. There is such a lack in giving peculiarities in the California botany, do you not think so? You, not being familiar with our plants, would not notice the lack as much as we do still it is very evident. Prof Eaton makes the *Adiantum* growing here emarginatum in the last fern book, and it corresponds finely with his description. I had supposed it Chilean

but have not been able to compare any of my *Gula*. Co specimens as I have none here. presume they are Chilean. As I have not seen *A. pilosum*, but hope to get some from a lady in Santa Barbara Co. as she writes me that she has nearly all of the Cal ferns and wishes me to send the list -

I am going to get some *P. falcatum* and *C. Cooperae*. Do you want a nice specimen, or are you supplied?

How is *Polypodium* coming out? Are *P. intermedium* and *Californicum* the same - think you? Have you given up this study?

Did I send you *P. Scutleri* which I found on Point Reyes in the fall? My how thrifty it grows there. Thousands of it! I was there last fall. It is ^{over} thirty miles from here.

Your studies must be great help to you in driving away sadness.

Thanks for the papers, receipts, etc. and then I will send you a few plants I saved from the fire. I will send you a paper on the fire. I will send you a paper on the fire. I will send you a paper on the fire.

You will have the pleasure of seeing him in another year. He carries into effect the plans he hopes to next year. He is now in San Francisco writing. No doubt you see his articles in Scribner.

Do you remember the *Pellaea* that came from the mountains, quite unlike *mucronata*. Was it var *brachyptera*? What is *P. longimucronata*? I saw the name on a new catalogue.

I wonder if I told you that I went to Santa Barbara last Oct. I do not think I have written you since then. I found *Chilanthus Californicum* here, and tried to find Mrs Cooper but she was east while I was there.

Now I shall hope to hear from you soon. I am going to Gula County or to Oregon or some place else this spring and if you do not send me that

promised letter. (You said you would write again in your last) I may not send you any of the fine, rare plants that I may find.

You see how very expecting I am beginning the year so beware for I know you want some of my far away treasures - or will.

You ask how I came out with "Ferns of N. A." I got four names but the fourth was for five numbers and, I do not know whether he will take the rest or not. I have not heard from him since last summer.

I have received the numbers up to the present time however.

Excuse my long letter if it seems long to you. and good bye for the present.

Truly Yours E. D. Pettou.

Old Boreas is having a regel out this way. Market - It is swept clean I think each day. I am back with my canoe here for a time, and you may send your next letter to this place. And should you send me a package (as you did) within a month, here. But later to Bolinas. Maria is old. I have seen a good many while awaying. Maria hid out along in a moment for my to stop. I am in St. Northland and may go again soon. I came back by way of San Francisco stopping at San Francisco, August 1879.

L. GIBSON,
1827 Market Street.

I am wondering how long ago it was that I wrote you, and till, I cannot. I find that in moving about as I do of late that my memory fails to attend to its duty. This trip north has filled me with many pleasant memories, and I have sent off numerous packages of lovely mosses, with now and then a fern root and pressed specimen, with postal card more frequently than letter; and now I cannot recall to whom some were sent.

I know I mailed more than one package to you, but whether a letter was written I cannot tell and did I send you a delicate fern somewhat like a phlegopteris? I found some resembling aspidium argenteum but so delicate, now like the phlegop's, fruit not well developed, and meant to send you some with the Lomaria. It grew on logs near Seattle, and is Linn County Oregon. The Lomaria in Oregon and

near Olympia W. T. I believe in every place that I gathered
it. I found it on logs. Those specimens from Seattle were found
in a hollow on very moist ground. You were with me many times in
my rambles this spring, and I wish you could have enjoyed
them in reality. I sent you a package just before leaving Seattle
(the latter part of June) you must have about all that I gathered.
Tell me what I sent and if you have not all I will try and see
that you are properly remembered. For I know of no one who will
appreciate my specimens more than yourself. How many you
received a lot of my *Tardines* about that time. I trust
you will be as slow in acquiring it as I have been in getting
them not in a section where *Manganite* grows and have
not been since last summer. And the person I agreed to me
about getting one for me has been getting married for the past
year, and he was excusable for forgetting it I suppose. But
recently I have asked another to get me one and I think
I will get it by Christmas, say. How don't you get bent and
rheumatic before then, will you? You must save yourself for the
trip you are to take out here some day. For you are coming.

I want to thank you for the pleasure you have given me in that Cata-
logue of yours. I feel highly gratified with the result of your labor.
I think you will find it well paid for the time spent, and only can express regret
of it may value it as much as your humble correspondent. I have a few
friends who wish one and have sent your address, and with this will
send one dollar with two names which I am requested to forward.
I have done up a few mosses, keeping like numbers, and if you
will be so kind as to give me their names you will much oblige.

There is one fine fern a few a friend found in the Cascades, and
she sent this to me wishing to know the name. I took it to be a *Woodia*, the roots
with ferns are from the Dalles, Oregon near the city. Mosses from Wash. Ter.
Keep them all, as I will know from the numbers which is which.

I promise you some *T. bicolor* this fall, if I keep well. I intend visiting
Point Reyes inside of two months, and with it could send you a thousand
of them. I believe I am going to find *T. vulgare* there. What do you think of it?
Are not my Oregon species *T. vulgare*? Did you ever notice the flavor of this root?
It is called "fig. porice" root in Oregon and it is quite like it. And there as well
as in Wash. Ter. is found on trees more frequently than on rocks. You will see it
way beyond your reach as a moss covered tree as you pass on the R. Road.
And I have no remembrance of finding it on the ground, and only in
Sierra County O. in clefts of rocks. While here I know of but one place
where it grows on a tree. Have you ever seen a lady flower called *Calypso*?
I found it in Finn Co. and in Wash. Ter. near Olympia. It is quite
plenty near the latter place, and oh how beautiful it is, creeping out of the
moist. I have been having sickness in your family - how sorry I am. Hope you
are enjoying health, quiet and rest ere this, and wish you had *Aladdin*
lamp that could transport you to one of our moss covered rocks,
canyons, when you could rest in legs to your heart's delight. Hoping to
hear soon from you I remain truly yours E. C. Petton.

or more miles from B. ville -
and it was an *Aspidium*.

but what variety. I cannot
now say. I have one at B.
and I think when I go up
there I will have to send you
a package to look at, and
see if you find anything of
interest in it. But - don't
lay too much stress on the
locality. Mrs Hawley thinks
her plants came from. My
friend is careless. She is one
of those who - if you tell her you
think it is so and so, writes the
name without now questioning.
I like to be sure - To know a
thing, is quite different from
thinking it so, with me.

I will inquire about *A.*
aculeatum of Mrs Knop, but
she is east now. I wish I

could step into your study and have a chat over
your and my ferns - if you don't be. I am a little
more satisfied with the style of conserving
I shall be
here for a month.
Put it in mail
I will always reach
me directed to
Shew or in Brown's
Hatch Co. as never
hesitate when
if you have
anything to say
I am always
glad to hear
from one so near
so much from
as to you.
Respectfully
A. C. Peterson

Dear Mr Davenport

Sept. 4th 1879

Enclosed
you will find two funds - the
only ones I can at present put
my hands on from my Bartlett
Springs collection. These I
sent to my cousin here and
she kindly lets me have them
back again. I have a few ferns
packed away here, and as
I only came up from the
city yesterday, I have not
been able to look over my
packings away of last spring.
Still I have no idea that
I will find any of them here.
But if I do, will forward some

more inside of two days.

Most of my ferns are at Brownsville and I do not expect to group them inside of a month. and I do not like to have any one handle over my plants when I am not by.

Prof J. C. Eaton has just written me requesting a specimen saying that Mr Taxon was drawing a specimen collected by me, and Mr Eaton wishes one as well as C. Fendleri for himself.

I shall send him some later.

If you can get along with this or if you do not need them until I can go to Brownsville I will be glad to send you some with roots - if I have them.

Since I came here I learn that Pinto Reyes

has been burnt over and I fear "my fernery" is ruined for this season.

But I think I shall go the first of next month and see. I fancy, as you do, that *Chilanthus lanuginosa* got mixed with those Cal-specs of Mrs Newbys. She is not the most careful in permitting others to handle her specimens.

When I was there, her books with loose ferns lay in the parlor in plain sight, where a caller could handle them - and it is very easy to misplace a fern - by one who even thinks he knows where he took it from.

Mrs Knox and I had a fern given us that was found at Fall River some thirty

the falls of Fall river, that
I think is the same. I saw them
and meant to have had one
but it was sent to Mrs Hawley.

You will find a *Polypodium*
from Point Reyes - is it *falcatum*?
The specimens that are common
keep, but some of the others I work
like, as I have sent you all
I have as the best. Please
notice the *Aspidis* - the small
ones from near Quincy and
the *Bolinas* spec's. I hardly
know what I have put in
the pkgs and have not
time to take things out. I
am so hurried. I only wish
you may find something
new in the *Cheilanthes*. I
have sent Prof Eaton *ovoid*
with this, some specimens that
he asked for as well as others
that I think he will like.
He kindly sent me his.

Dec 1st 1879
Brownsville, Cal
C. L. C.

Dear Mr Davenport
I am so

sorry that I cannot send
you a good package of roots.
They are a mile away, and
it rains. They are up at
the "Fox den" in the hill side
and it is impossible for me
to go at present. I have put
up the best that I have -
robbed my cousins look
as well as mine to send to
you and Prof Eaton, and
can only wish I had more
complete roots - but in a
week I may be able to
go for some. I came last

week, and this goes with
the first mail this week. I
tried to get this off the mail
after I came but was hindered.

I have put in all of my
Bartlett springs Chilianthus
as I want you to return some
of them. Take your choice of
specimens for your study
and for your coll. and
for any special friends or
friends. I think
that I put (accidentally)
two or three fronds of the
B-springs coll. into
the paper marked Fall
River - please notice.

You will see that I have
done as I said I would
sent some for you to
look at. I think you will
find the Nevadaensis -
I took it to be that when

I got them in '78. and I
have a fern that I take to
be *A. aculeatum* that
Mr. Kaman gave me in '78
that he col- ing or near
Thomas so. I will put it
in as I have not tied up
the pkg. I remember the
one Mrs. Knox sent you. When
we got home from our trip
I saw the fern she had
and asked her where she
got it. She said ^{in some place}
coming home she picked it
but could not tell where.

She had not noticed but
that it was *A. munitum*.
But Fall river is some
ways from here and it is
too late to go this year.

But her brother found a
couple - or brought out a
couple from the canyon near

"Ferns of the North West."

I wish, I had more time, but have not just now. Will see in the morning if there is any thing in your letter to be answered.

Tuesday A. M.

I have tried to get some roots this A. M. from a neighbor but failed, will send you some from the fernery here ^{in the} ~~in the house~~ ^{yard} but am not sure what they are or where they came from, as my cousin has set out roots that I have sent from various localities.

In haste,

E. D. Tilton

Have had no time to look over your letters -

E. D. T.

Febuon's letter about *P. folcatum*. It thinks
it does not remain green during the winter,
not. but I will write a card this day
asking my cousin who has a natural
magnificent "rockery" a few rods from
the house. (The card is written.)

The root is very much like *Lignovica*
root, and the poly I sent you
from the tree near here last fall
tasted like the Oregon root. At the
same time I sent Dr. Eaton some but he
said those from here were not *folcatum*.

You shall have some roots before the
summer is over and they shall be
my peace offering, and from Oregon
as well as here, and taste for your
self. Pol. Celim. has not the clear *Lignovica*
flavor of the Oregon form, ^{slightly bitter.} excepting
those from the tree a few miles from
here. A friend who went to Point Reyes
to preach a month ago brought me
a few roots of *P. Scouleri*, also *P. L.*
I will send you one of the latter
I believe I sent you the tag end
of my *P. Scouleri* in that last
package. It seems impossible to

Polina. Marin Co.
Cal May 30th 1880

Dear Mr. Vanport

How dare you
intimate that my friend has
done anything wrong? I know
of nothing he ever did that
he ought to feel rebuked by any
amount of packages coming
to him. They ought to tell a far
different story if read aright.

My thoughts last evening
when I read the first half
dozen lines ^{of the note} led me to exclaim
aloud "You blessed man, -
for you are blessed with
a too sensitive nature if you
can think my long silence
was caused by what you
mentioned, and I hasten to

to explain. I sent the last package
more for the purpose of getting rid of
them - and thinking you would
like them - as I was packing
up to come away and my trunk
seemed overburdened with
plants. How can you think of
blaming yourself when I told you to
keep a goodly portion of them?

Now I must acknowledge how
forgetful I am growing. I have been
wondering why you did not write
not remembering the letter which
came while I was in the mts.
and which must be in my trunk
with others brought from there un-
answered ... See how it is - a broad
sheet untouched. By fan on the
last page and a half snugly
laid away with my ferns -
instead of being in its rightful
place - the desk. Careless I!

It seems to me that I wrote a
card from Chico where I went just
after receiving the pkg. Upon my
return I was much hurried, left
the following week and began
school here the next week, and
since have been very busy as I
am reviewing, preparing for
examinations in June. And I
pardon? And will you remind
my friend in Medford in your
good opinion and not blame him
any more for that which he is not
guilty of? And also excuse me
for this lengthy explanation!

I am doing nothing in the
fern study now. My reviews out
of school take up all of my spare
time. I have nothing now to send
you or to write of, so what can
I say to interest you?

Now ask me in your last

California cucumber. Lift up the vine
and you will see what fruit that
mass of leaves is hiding. covered
with prickles, and measures eight
inches in circumference. See what enormous
seeds, we will dry them, and only seven in this
four rooms, I wonder where the other went to.

We will drive into the next opening between
the hills - Here it is, and there is the
gate guiding us up to the house between
lines of cones and waving wheat. We won't
stop now, but when we come back Mrs. Nuts
will give us some of those lovely buds from her
tea roses, and that climbing cloth of gold. Oh how
delicious this water is, right from Samuel's
probably. We will keep in this wood road, for there
are a good many tangles down there for light
ramblers and ferns are the ferns. See the rocks
covered with moss and poly down there, and
oh the *Adiantums* and *Polypodiums* up here!
The road winds around the hill and as the
ravine narrows the ferns are now plentiful if
anything. We will rest here by this old tree.
Look over this bank are those *Pinus ponderosa* near
the stream, and see the young redwoods. the fragrance
is delightful. We could toss a stone to the other
side of the ravine, but it would be a rough walk
to get there. We have found seven - no *ten* ferns
beside *Pinus*. We won't go home till dusk and
then we can see the lights at Point Bonita
at the entrance of the Golden Gate and possibly
at the *Carellones*. Here I will leave you, listening
to the breakers on the distant beach. filling

your lungs with this delicious air of frightened with its many colors
and feasting your eyes on the beauties of the varied scene. But you
wary? I fear so. Good night, and a good night to you.
Try them nicely as they are so
fleshy. nearly every one have
turned dark in the drying.
If you would like a root of
Adiantum emarginatum. Pl. Cal.
or any of the common ferns growing
here let me know, and I will be
happy to gather you some in my
rides near the beach. I have not
seen any *Chilanthus* in this county,
but have not been in rocky places
on the hills proper. excepting, rare
and they seek now sunny homes.
Is not this *Calochortus*
lovely? They grow on the mesa
where they get the ocean breeze.
and it is the only one of the
family growing here that I
know of. I wish you could
see the hills now before this
northerly wind dries everything
up, and covers what won't dry
with the loose dirt that can be
spared from the roads. You can

judge of the season when I tell
you that the hay on this ranch
was cut and put in the barn
over a week ago.

You speak of your health not
being good in Feb. How is it
now? I can see that you are
depressed. Don't let worldly
cares and troubles dim the
brightness of life. Leave it all
with the closing of the store door
and only take up the burden
when behind the desk.

Each day visit some shady
nook in fancy if unable to
go in reality. Come with me ^{now}
it is only three miles. This buggy
is quite comfortable, and we will
take the bay road and enjoy
the view out on the ocean. That
line of sand over there a couple
of miles away broken now and

then with hillocks topped with
green is known as the sand beach.
Is not that spray beautiful as
it comes up over the rocks at the
forties end when the willows are?

When we a little nearer we could
see a tent and three flags, for there
are some campers over there enjoying
themselves. Last night I was over there
(it is six miles) and saw six children
in the sand. Look the bay beautiful
now, for the tide is in and the
mud flats (the terror of inexperienced
boatmen) not to be seen. If it was
clear on the ocean we could see
the Farallones. Look to the left
now. See those *Pteris. aspidium*
and in them among the poison oak
are plenty of *Adiantums*. That
vine is new is it? yes it is the
Yerba Buena, isn't it fragrant
That mass up there is the

I send with this some ^{Aug 10th 1880 Bolinas.} ferns from rock
overlooking the sea some fifteen hundred
feet above it, same as I sent you roots
of not long ago. The first roots (I think
the first pkg.) was from Oregon. Lin. Co.
The polypodium I mean, and I marked
them Oregon. The other Poly's came
from rocks in Marin Co just over
the divide on the road to San Rafael.

Is there any thing I can do for you
in San Francisco. Am going down
in a few weeks. E. O. P. Please send me
names of the three ferns col. by J. Muir that I send
on pkg. by oblige. E. O. P. Forget me. not are in bloom.

Geo. E. Greenbank
8 Hamilton Place
Boston
Mass

WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER



with a lot of bark a foot long
some of the. The pine you speak of
is called here the "yellow pine"
by the lumbermen, and is one
years growth. I think it is the
Pinus ponderosa.

I have some *Aradenea* that I
gathered at Brownsville in July
from my cousins farm. It grows
close by them in a ravine also.
I will send you some in a few
days. I have some ~~is~~ rambling
here, as it takes all the strength
I can spare to get to and from
my school. He's hard had very
warm weather during July as
well as in August, and I have
not been very well. But as soon
as it gets cool I think I will
be in my usual health, and
if my school only closed early
enough should think seriously
of coming East, but the term

August 13th 1882

My dear friend:

Were you
imvaged at the receipt of
that bundle I mailed
last week? That is
a medium sized soap
root. I had another, a
friend had dug for
me, that was nineteen
inches around and
the stalk was ten feet
long. The flowers open
about four o'clock or
later - bursting open in
a similar way to the

primroses, from two to
^{at a time} seven, (seven being the
greatest number I have
seen in bloom at a time)
and I never have seen any
in bloom in the morning.

They begin closing
before ten o'clock. The
next night another
set of flowers open. They
are very delicate, but the
plant is not desirable
where flowering is to be done.

I want you to try its soap
properties by taking one or
two of the scales or layers from
the one from which the hair (Eriodonta
hair, as it is called, used in making
mattresses) is removed and bruise
it in water. Rub it just as if
you were trying to wash a rag

and when the outer skin is
broken you will find it
makes a beautiful lather.

I sent you one stick
from a manganita in its
natural state, thinking you
might like to investigate it
with a knife. The shrubs in the
woods are of just that
color before the bark begins
peeling, and as the bark
rolls up the new is seen of a
greyish, greenish hue but the
sun soon turns it to the olive
as you see it and so it
remains till it is cast aside
for the new suit. The manganita
and manganita have both
been getting new clothes in
the last month, and the
ground is covered in spots

would not be sent before Nov.
and then it may be strong.
and if we have an early winter
I should not want to come to
your frozen climate so late.
I sent an order to the P. O. that
my mail comes for any registered
p. kgs. to be sent to me, that
should come. I do not take
either the Gazette or Bulletin
and accept with thanks your kind
offer of your spruce nurseries

My forget-me-nots are still
living and always speak of
my Boston friend when I come
near them. When at Strawberry I
look round there, and send this
year I brought a root here, so
that in three places in this country
there are growing your lovely flowers
children of the Bolinas slips.

Your little poem was read over the
second sitting-out of roses here, as
the first was growing finely and

had been in bloom all the
summer before you were
come. I cannot realize the
flight of time either. How much
more swiftly the years pass often
one has reached one or two
of the milestones on life's highway.
I then I look at some of those
who were "little ones" when I first
taught in California, and who
now have homes and a "little one"
of their own, perhaps. I then realize
that I am not as young as I was
ten years ago. The grey hairs are
increasing each year, and soon
I shall be a bent, grey-headed
rheumatic old woman. When such
an one appears before you saying
"I am from the Sierras" you will
at once recognize me "I am sure,"
will you not? Yours Sincerely

E. J. Vetterli.

Aug 28th finished at home
"but" begun at the school since.

If you wish to look, in the Navy Yard which has a great deal of shaded and damp ground. On the very furthest wharf of it, I think to the N. in the midst of a great many beams or logs and partly under them I remember a rather large fern, last year; I have not looked for it. I think you could find it in a few minutes if you wished. I believe there was quite a large clump of it.

I will end this letter as I began my other which was mis-sent, by saying that I intended to answer your letter sooner but was prevented by an accident to my eye which was so sore in consequence that I felt obliged to rest it for a couple of days. If I can answer any further inquiries you may wish to make at any time, I shall take pleasure in doing so.

Yours very truly

Chas. E. Perkins.

o Grandview Ave., Somerville.

Somerville, Oct. 15th/88.

Dear Sir,

I am very much obliged to you for so promptly returning the letter which I thought I had sent to my sister in Connecticut. She must have received the one I wrote to you at the same time, but instead of waiting to receive it I will try to reproduce the substance of it here. I am not well enough acquainted with some of the ferns to answer your inquiries satisfactorily, especially with some of the genus *Aspidium* and I am sorry to say that while I know the greater part of our ferns *Asplenium Filix-foemina* is among those about which I am uncertain. I do not know the ferns thoroughly in this vicinity though I have many specimens collected, and labelled with the locality, date, &c. which I intended to study when I had a favorable time. As to the ~~at~~ ferns you ask about though as I said above I can not speak accurately without some study of my plants, yet I think they ~~some~~ or all of them grow nearer than Glenwood or Everett, as Polly Swamp in Somerville, the Boston & Lowell R.R. near Win-

ter Hill Station, the Fresh Pond Meadows (though these perhaps are not nearer than Everett), and the rocky hill at the W. side of the Somerville boundary near the old turnpike (Myrtle Ave.), have various ferns. I have specimens from these localities. I am sorry I cannot give you better information yet. I have a number of specimens of fronds from the prison wall which I hope to hunt up in a few days and send to you. Two of them were particularly puzzling to me when I gathered them more than a year ago.

As to the pubescent fern you spoke of, I think it may have been one that took on the pubescence on account of the low temperature of the place which used to be half surrounded with water. I have had very striking examples in my garret of smooth or nearly smooth garden plants taken in for protection in the autumn, which took on gradually a thick coating of long hair. Several different species did so. I do not know whether ferns were ever cultivated. In answer to your inquiry about the plants growing in the yard, I will say that I have seen nothing remarkable there the last two seasons, and that the original soil, which might have had interesting plants has been covered with a deep layer of soil

and rubbish for a large part of its extent. I think the building is to be torn down; it was intended to be, I am sure, and if you care to you might secure living roots of any doubtful or degenerate form, and grow them this year in good earth to develop their character more plainly. I think you may find better results if you should take a basket or some other convenient thing and gather the fertile and withered fronds of some of the ferns which a few minutes' immersion in a pail of warm water would restore to good shape for pressing though still wanting in color. I have done so often with withered ferns and am surprised that I have not seen the practice recommended.

I have noticed ferns growing in so many R.R. bridges (some near Boston) that I was not so much surprised at seeing them on the prison, and think you may find some other stone buildings near Boston or in it next season with things to interest you. The sides of some ice-houses have ferns and many other plants growing in the cracks between the boards. A striking example is the ice house on the S. side of Spy Pond on the branch of the F.R.R. And very possibly you can find several species of ferns

University of Vermont.

Burlington, Vt., December 23 1873

My dear Sir

Your letter inquiring
about *Orepidium Spiculolum* Sw. is before
me. In reply I may say that I can get a
plenty of what I have always called by the
above name & which answers the description.
I may be in error in regard to it. I have now
no specimens that I can send but can send lots
of it next season if it is what you want. It
is now several years since I have paid any very
close attention to Ferns, except to cultivate them,
& I am rather rusty upon the subject. I have not
Swartz's description to refer to & so can not be
sure that I have ever found the true *Spiculolum*

as it may all be var intermedius, we have
also the other varieties, Bortii & dilutatum here. My
chief work is in Zoology, though I am greatly
interested in Ferns & formerly spent some time w/
them. I shall be glad to help you if I can. I think
I can get the Batsychnus simplex in the summer
but am not sure of finding it. I have on hand
no duplicates now but if you will write me
in the summer when I can collect I shall be
happy to be of service to you. I doubt much if
Asp. Lancastriense be anything else than a form
of Asp. cristatum as that varies somewhat &
might approach a form like Lancastriense readily I
think. I am sorry that I am at present
unable to help you. I can get in abundance the
following species which I would like to exchange for any not
in my collection I have all that you have marked & most of the
others marked - Camptocoma Phlegmophyllum, Pellaea gracilis, Aspid.
Goldianum, Aspid. spirulosum var 2 & 3, ^{Asplen.} ~~Asplen.~~ Angustifolium - Asplen.
Murana.

Yours truly

G. H. Perkins



*Chambers
Studio*



17 DEXTER AVE.
MONTGOMERY, ALA.

Hon. J. M. Peters

Moulton, Ala

Photo from portrait in State Times
Montgomery, Ala. 12 June 1896

Montgomery Ala

Decr 15. 1873.

My Dear Sir.

Yours of 28th ult is recd. It always affords me the greatest pleasure to be of use to Prof Gray or any of his friends.

I put in the mail with this a small parcel of *Trichomanes Petersii*, Gray & *T. radicans* Lütz. I have never found *OphioGLOSSUM nudicaule* in fruit here. Nor have I found *O. bulbosum* at all. I shall be away from Home this winter, at Montgomery Ala. until March next. As yet *Asplenium myriophyllum* has not been found here. I have only heard of it in Florida. But I will come back to your requests next Spring, & do what I can to aid you. Your friend,

Thos M. Peters

Geo E. Davenport

Boston, Mass.

P.S. Oh! I forgot to say—I am not a Dr only Lawyer.

H

Montgomery Ala.

Jan. 26. 1874.

My Dear Sir.

My wife sent me yours of
24 Dec ult from Home, which
reached me to-day.

I am pleased that the seeds
sent before leaving Home pleased
you. The *Ophiocharis* I mentioned
is not *O. bulbosum*. The root
is that of *O. Vulgare*, I think.
I will however send you some
living plants in the summer

and by Cultivation the truth
of the matter ^{may come out} I have two or
three set out in my garden,
which, if they live, may devel-
ope fruit there.

I shall be here till the
end of February 1874, when
I will return Home. and will
write you again from there,
& advise you what Gerns I
would like to have

In future I will
avoid offending against
the Post Office Laws and
Regulations. I believe, before

the Rebellion, I consulted the
P.O. Department about send-
ing Botanical Specimens by
the mail, & I some how
though I learned that they
might be sent with Labels.
I think I have sent 1000s in
that way. But some times,
as we grow older we get
wiser. The Department per-
mits bulbs & seeds & shrubs
to be sent in that way with
names in full. Yr friend

Thos M. Peters

Geo E. Davenport.
Boston Mass.

H 1
Moulton Ala

March 12, 1874.

My Dear Sir,

I returned Home, after two month's absence, on the 6th inst, and your very acceptable package of new & handsome Ferns with your letter of 2nd March 1874 met me there. They afforded me very great pleasure.

I am getting a little old & much too worn in the duties of my office (Judge of Sup. Court of Ala); but if I am spared in health & leisure during the summer & fall, I will endeavor

to collect and send to you
a full suit of all the Ferns
known to me in North Ala.
I will also send you a living
plant (or rather several,) of
Ophioglossum Vulgatum? L.
in May next. Or any other
living Ferns or other plants
you may wish, or any thing
else here within my reach,
that may be desirable
to you.

Very truly your friend
Thos M. Peters

Geo E. Davenport
Boston
Mass

Moulton Ala

Oct 9, 1876.

My dear Sir

Yours of the 25th Aug ult reached me on Saturday last, the 7th inst. I reply by mailing with this a package of *Asplenium adnigrum* var *minus*, Hooker. And with it I send also a small supply of *A. Petersii*, Gray and *A. Richardsoni*, Schwartz, & *A. pinnatifidum* Nutt. which I hope will reach you safely.

I have no *Chelanthus Alabamensis* — I have never been able to find it in this part of this State. I have not had time to search for it on the Tennessee River where it is said to grow — If I find it I will remember you.

Very truly

Thos M. Peter,

Geo E. Davenport

Boston Mass.